**

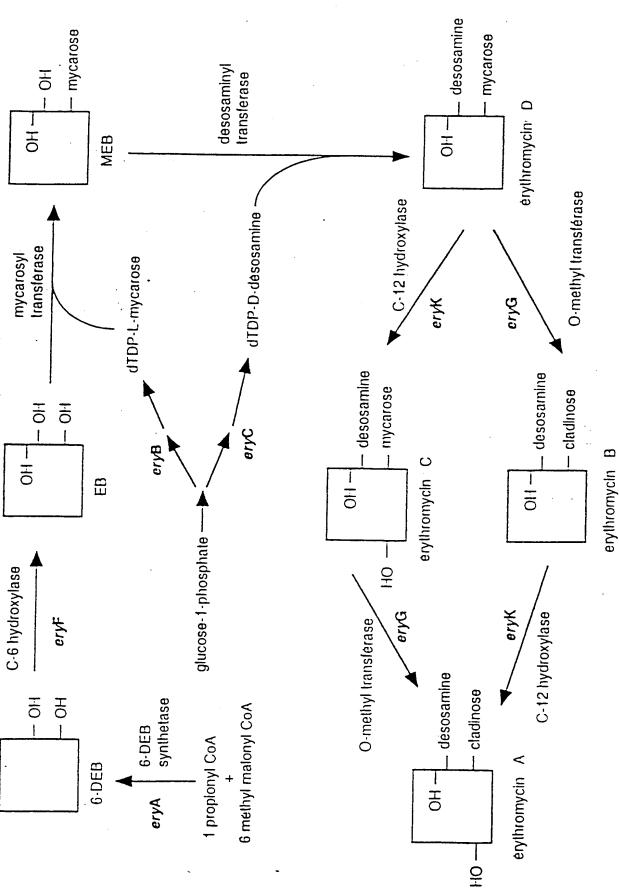


FIGURE 1

CTGCTTCACGCTCACCAGCCGTATCCTTTCTCGGTTCCTCTTTGTGCTCACTGCAACCAGG





1969	8029	8089	8149	8209	8269	8329
GACGAAGTGCGAGTCGGCATAGGAAAGAGCCAAGGAGAACACGAGTGACGITTGGTCC Q K V S V * Q L W < <orf6< td=""><td>CITICCGGCGCCGCCGCGGAGGCCACCGCGGGGAAGAIRCTCGTCCAGITICGGACAGCG +++++++</td><td>CCTGCTCGTCCAGGGTCATCGCGGACGCCTTCAGCGCGGAGTCGAGCTCGTCGGGGGTTC ++++++++</td><td>GCGGGCCGATGACGGCGCCGGCGATGCCGGGCCGGGACAGCACCCATGCCAGCCCCACCT ++++++++</td><td>CGGCCGGGICTICGCCGAGGITGCGGCAGAACITTCTCGTAGGCCTCGAICGCCGGGCGCAA ++++++</td><td>GGGACGGCAACAGCACCTGCGCCCTGCGCCGACTTCACCGCGGTGCCCGCGGCCAAAACTGCCCGCGGCCCACGCGCCCACGCCCGCGCCCACGCCCCGCGCCCGCGCCCGCGCCCGCGCCCGCGCCTGCCCGCTGCCCCGCTGCCCCGCTGCCCCGCTGCCCCCGCTGCCCCCGCCCCGCCCCCGCTCCCCGCTCCCCGCCCCCC</td><td>GCTTC'ICCAGCGCTCCGCTGAGCAGGCCGCCGTGCAGCGGCGACCAGGCGAAAGACGCCGAACACCCGAAGACGCCGAAGACGCCGAAGACGCCGAAGACGCCGAAGACGCCGAAGACGCCGAAGACGCCGAAGAGGTCGCGAACGACGCGCACGTCGCCGCTICGTCCGCCTCTCCGGCGTCGCAAGAGGTCGCGAAGAGGTCGCGAAGAGGCGACTCGTCCGGCGCACGTCGCCCTICGTCCGCCTCTCCGGCTCCGAAGAGGTCGCGAAGACGTCGCCACCTCCGCCTCCTCCGGCCTCCAAAAAAAA</td></orf6<>	CITICCGGCGCCGCCGCGGAGGCCACCGCGGGGAAGAIRCTCGTCCAGITICGGACAGCG +++++++	CCTGCTCGTCCAGGGTCATCGCGGACGCCTTCAGCGCGGAGTCGAGCTCGTCGGGGGTTC ++++++++	GCGGGCCGATGACGGCGCCGGCGATGCCGGGCCGGGACAGCACCCATGCCAGCCCCACCT ++++++++	CGGCCGGGICTICGCCGAGGITGCGGCAGAACITTCTCGTAGGCCTCGAICGCCGGGCGCAA ++++++	GGGACGGCAACAGCACCTGCGCCCTGCGCCGACTTCACCGCGGTGCCCGCGGCCAAAACTGCCCGCGGCCCACGCGCCCACGCCCGCGCCCACGCCCCGCGCCCGCGCCCGCGCCCGCGCCCGCGCCTGCCCGCTGCCCCGCTGCCCCGCTGCCCCGCTGCCCCCGCTGCCCCCGCCCCGCCCCCGCTCCCCGCTCCCCGCCCCCC	GCTTC'ICCAGCGCTCCGCTGAGCAGGCCGCCGTGCAGCGGCGACCAGGCGAAAGACGCCGAACACCCGAAGACGCCGAAGACGCCGAAGACGCCGAAGACGCCGAAGACGCCGAAGACGCCGAAGACGCCGAAGAGGTCGCGAACGACGCGCACGTCGCCGCTICGTCCGCCTCTCCGGCGTCGCAAGAGGTCGCGAAGAGGTCGCGAAGAGGCGACTCGTCCGGCGCACGTCGCCCTICGTCCGCCTCTCCGGCTCCGAAGAGGTCGCGAAGACGTCGCCACCTCCGCCTCCTCCGGCCTCCAAAAAAAA
7910	7970	8030	. 0608	8150	8210	8270

GCCCGTAGGCCTGCGCGGCGGCAGCACCTCCAGCTCGGCGTGCCGGGACCGCCAGGTTGT

8869 8989 9109 9169 CGAGGAGCCACACCGGGAACATICTICGGCGGTICGGCATGTACAGCCGCCACAGCTICGGTCA SCTCCTCGGTGTGGCCCTTGTAGAGCCGCCAGCCGTACATGTCGGCGGTGTCGAGGCAGT GCGACTICAAGTGGCACGGCITCGGIVITCGGACGACCACITCGITCGCGCCITTGCGGGCITCGG CGTGCACGCAGCCCCCACCACTAGCACCAAAAAGAAGAAGGACGCCGGTCAAGGAG 0 0 IGATGCCGCGGTCCCGGGCGTGGTCCATCAGGCGCAGCGCGTCGTCGTCGTCCTCGACGCGTC ACTACGGCGCCAGGCCCGCACCAGG'!'AG'ICCGCGTCGCGCAGCAGCAGGAGC'IGCGCAG CGCTGAAGTTCACCGTGCCGAGCCAGAGCCTGCTGGTGAGCAGCGCGGGAACGCCCGAGCC GCAGATGCCGACGACCTCGGCCGGTGACGGCTCCGCGAGCATGTCGTTCGCGCATCCGCCG CGTCTACGGCTGCTGGAGCCGGCCACTGCCGAGGCGCTCGTACAGCAGCGCGTTAGGCGCG 3CGCGGCCGCCCACCCGGCCCAGCAGCTCCTGGGCGAAGTGGCTTGAGGGCCTTCGACCAG CGCGCCGCGCGGTGGGCCGGGTCGTCGAGGACCCGCTTCACCGACTCCCGGAGCTGGTC 3GGGGTCAGCTCGGGCACGGGCAGCGCGA1CCCCGCCCCGAATTCCTGCG1GCGCTGCGC L E) < S Ö Ω Σ کر 2 ~ < Ŀ S œ ے P D D L V ш _ L. R. W م ≃ • G L W L Σ ဟ Ω <u>م</u> <---ORF7 X Y I < Ø G A R II A ы ŋ ~ Ω 8750 8810 8870 8930 9050 9110

9229	9289	9349	9409	9469	9529	9589
GCGCACGCCGGTGTCCCAGCCGTCGGCAGGATCACCTGCGGCACGCCGTGGATCGCCGC +	GGTGTGCCAGC'TCCCGGGTCCGCCGTGGTGCACCGTCGCCGCGCAGGTCGGCAGCAGCGCCCCCCAGCGCGCAGCAGCGCCCCCCAGCGCAGCA	GTGCATCGGGACGAAGCCGACCGTGCGGACGTTGTCCGGGATGTTCGCGACGCCTTCTAG ++++++	CTGCTGCGCGTCGAAGGTCGCGATGATCTCGGCGTCGACGTCGCCGACGGCACCCAGCAG +++++++	CTCCTCGATGGAGACCTGCCCGATGCTGTTCTCGCGGCTGGAGATCCCGGAGCGTGAGGCAACGAACG	CACGCGGCGCCTCGGGCTCGTGCAGCCATTCCGGCACCGGACGGCCCGTTGTA +++++++++ GTGCGCCGCGCGCGCGCGGCAGCAGCACGTCGTTGGTAAGGCCGTGGTGCTTGCT	GTCGACGTAGCGCATCCCGACGGTCTTCAGGCCGGTGTCGAGCCTGATCGCGGCCGGGGC ++++++++
9170	9230	9290	9350	9410	9470	9530

\$ 10

9590		9649
9770	CCGTCGTCCGGCTCCTTCAAGACGGCGCGGGCCCACCACTACAGCCCAGGGGTGTCGTC P L L G L F N Q R A R T T I D P G W L L CCGCGCGTGCGGCGTTCCGGTCACCGCCGCGCGGGGGGGG	9829
9830	CCAGATGACCAGGTCGGGCCGCCACTTCCGGCAGAACGAGACCATGCCTTCGATGAGCGTC +++++	6886
0686	GYCCGGGCTCATCAGGGCGTAGAAGGYCGGGGYGAGCACGGTCYGCATGCCCAGCAGGTG +++++++	9949
9950	CTCCCAGGTCAAGGTGGCGGGGTCCCGCTCGCTGAAGTCCAGGCTCCGGACGTAGTCGATCACTAGTCGATCCACGTCCAGGCGTCCAGGCGACGTTCAGGTCCAGGCCTGCATCAGGTCCAGGCCTGCATCAGGTCCAGGCCTGCATCAGGTCCAGGCCTGCATCAGGTCCAGGCCTGCATCAGGTCCAGGCCTGCATCAGGTCCAGGCCTGCATCAGGTCCAGGTCCAAGGTCAAGGTCAAGGTCCAAGGTCCAAGGTCCAAGGTCCAAGGTCCAAGGTCCAAGGTCCAAGGTCCAAGGTCCAAGGTAAGGTAAGAAGTAAGAAGAAGAAGAAGAAGAAGAA	10009

£ 4,001		
10040	GCTGGGCGTCCAGGCTGACGCGGCGTCCCACGCGGCGCGCGC	
10789	CGGGGTCGGCGGGCAGTGCCGCGACCGCTGCTTCGGTCACCGCGAGCTGCTGCGGGCTGA 10730 +	
10729	GGACCGCGTCGACCACGGTGTTTCGCGGTCATCTCGGCCCCGGCGCGAACAGGGCGCGCAGTG 10670 ++++++++	
10669	GCGCGGCGGGGGTCGTCGGCGATCCGTTCGGCCAGCCCCGGTTCGGCCGAGACGGCCAA 10610 ++++++++	
10609	CCGTGCGCCGCTCCAGGTGCAATGCCGGGTGCAGGCGCAGCACCTCGGCGACGGTTCGCT 10550 ++++++++	
10549	CGACCACGACCTCCTCGCCGATCACGTGCTCGCCGAGCCGCACCTCTGCGGTGG 10490 ++++	
10489	CCACGTCGAGGCGGTCGGCGAAGACCTCCGGGTCGCGGTTTGCCGCCGCGACGA 10430 +++++++ GGTGCAGCTCCGCCAGCCGCTTCTGGAGGCCCAGCGCCCACCGGCGCGCTTCTCTGAGGCCCAGCGCCCAACCGGCGCGCTTCTCTTCTGAGGCCCAGCGCCCAACCGGCGCGCTTCTTCTTCGAGGCCCAGCGCCAACCGGCGCGCTTCTTCTTCGAGGCCCAGCGCCCAACCGCGCGCG	

10909	10969	11029	11089	11149	11209	.1269
CGAGCACGGCGTCATGCCCTGCACCGGTACCTGCCAGGCGAAGTCGCCGACCAGGTCCA 10850 ++	GCCGCGCGCCCGCGGGAGCAGACCGGCGAAGCTCTCCGCCAGTTCCCCGACGTCGG ++++++	GGACCTCGCCTTCCCAGGACGCGGCGTGCACGTCCCGGAACGGCTGGGCCCACTCGGCGG 10970 +++	GTGGCGCGCCCGCGCCCGCATCCATTCCGGTGTGCGTCCGGTGGCGCGGGTGAACGCGGG ++++++++	GGTCGTCGTCGGGCCGGCCGGTCGCCGTCGGCCACCCACC	11150 +	CGCACAGCATCGGGTAAGGGTCGCCGTTGCTGCCGTAACCCCAGTGCAGGCCGCGGA 11210 ++
108	10910	105	11030	110	111	112

TEATCTGGAGCTGCCTGCCCAGCCCGGCGCGATCGGTCGTGGTCATGAATTC တ

FIGURE 2

		436						_	363	-						650			
TT	rga(CAGG		GCC	ACG	CGT	$\mathcal{C}\mathcal{C}\mathcal{C}$				CGA	.CC.	.CGC	CAAT				ATA	TAG
		436							369							710			
GA.	AGG.	ATCA		.GGT	'TGA	CAT	'CGC	CTC	GTC	GAG	SCCA	ACG	C	CTG				GCA	TGT
		437							375							770			
TG	AC.A.	AGAT		.CGG	CGG	CTA	.CCT	'ACTY	GTG	GTG	GCC	CAG	TGA	.CGG			GCA	CAT	CGC
		437							381						43	830			
GC'.	rGG	GGAG.		C.I.I.	TGA	ATT	TCG				CCG	ACC	TGG	A_{A}			AAA	TGC	TCC
-		438		~ ~ ~			~~~		387						43	890			
		ATGG(AT. ح		_													_	
V Ot		G 3	Τ.	S	D	S	₽	2	Q	Ļ	Ξ	Ţ	Ľ	L	G	A	S	G	F
OF	CFI.	439	-					۸.	393	^						~-~			
CC5	~~~	GAG($\sim \sim$	ىلىرىل	~~~	~~~				CC3		~ ~ ~			950	~~~	~~~	cmc
V		S S	JUC A		L		CGA E		icu R		H.								
V	G	4391		V	יו	Τ.	E		 399			۲	IJ	2	L		A	V	S
		GCGG				-c	~ ~~					~~~	C C M	~~ >	44 663	010			~~~
R	G	G G	AGC A	P				٥٥٥			a GC				جری C			A	D
7.	G	440		-		V	Ξ.		105		.~.	=	V	Ē	_	070	K	A	ט
در.	م	rgga.		cca	ددد	aac	cac				v = 2.	000		~~~			نات	~~ \ \	CCT
	. JC . L	Ξ	P	G							E		A.		UG I V	GA1	V	GCA H	T,
<u>.</u>		4409	_	0	10	-74	-74		 111		=	ט	~	ט	-	130	V	п	ىد
GGT	75.50	CGCA	-	360	GGG	CGG	خئىك				cac		~ > ~	کئی ک			CCA	300	CG 2
		H		A			ŝ			ccs R				s	CG. D		GGA E	AGC	E
•	••	4419		••	Ŭ	J	_		177		J	•	-	J	_	190		-	٠-
GCG	GGT			CGG	ССТ	GAT	GCA			~	Y C.C.	CGC	شات	C.C.2.				~200	ڪيٽ
		N		G	L			D						H			200. R	R	S
		4423							123		_	• • •	_	••		250	- •	••	_
GAC	GCC	CCC	GT	GTT	GCT	CTA	CGC				ACA	GGC	CGC	بججي			GGC	GGC	CAG
T	D.	þ	V	L	L	Y	A	S		<u>.</u>	Q				P	s	A	A	S
		4427	70						129		-					310			_
CAG	GT	LCGC(GCA:	GCA(GAA	GAC	CGA	GGC	GA	GCG	CAT	CCT	GCG	CAA	AGC	CAC	CGA	CGA	GGG
	υŸ			Q	K		Ξ		Ξ			Ŀ			A		D	E	G
		4433	30					44	135	0					44	370			
CCG	iGG1	GCGC	CGG	CGT	GAT	CCT	GCG	GCTC	SCC	CGC	CGT	CŤA	CGG.	CCA	GAG	CGG		GTC	CGG
R	V	R	G	V	I	L	R	L	P	A	\vee	Y	G	Q	S	G	P	S	G
		4439	-						41							430			
CCC	CAI	rggg(GCG(GGG	CGT	GGT	CGC.	AGCC	TA	GAT	CCG	GCG'	TGC	CCT	CGC	CGG	CGA	GCC	GCT
P	M	G	R	G	V	V	A		M		2	R	A	L	A	G	Ξ	D,	L
		4445							47						44	490			
CAC		GTGC																	CAC
${f T}$	M	W	H	D	G	G	V	R	R	D	L	L	Η	V	Ε	D	V	A	T
		4451							153							550			
		CGCC																	
A	F	Ą		A	L	Ε	H				Ţ	A	G	G	${f T}$	W	A	L	G
		4457							59							610			
		CCG?														CAG	CGT	CGC	CCG
\mathcal{A}	Ð	R		Ε	Ď	L	G				2	A	\vee	S		S	V	A	R
		4463							65		_					670			
		CGGC		CCC	CGC	CGT	CGA	CGTC	GT		CGT	SCC	CGC	GCC	CGA	GCA(CGC	CGA	GGC
_		G	_	_				V		_						H	A	Ε	

		446							447							473			
CA																		GCI	GGCG
N	D	F		S	D	D	I	Ι		T	Έ	F	R	S		_	G	M	R
		447							447							479			
CC																			CCGA
יב	R	V 448	_	با	1.	ט	G	-	448	R	. 1	V	A	. A	_	105	_	T	E
C C	200			cco	:Cт:	۸ C Tr	~~~	~ ~ ~			~~~	CC 3		C λ C		485			ACTG
Ξ			GIG	ر کار	3012	-1C 11	ال ال	<i>حير</i>	ے نہ ف	. С 1 1	CGC	ريد الم	درن	دعر	بدىي	C ± 1	CCA	ىسى.	AC I G
	**		V	R	V	I.	L	Ţ.	s	F	A	Н	R	T	Н	F	0	G	L
			ORF		-	_	_	-	_	•	••	• •	11	-	11	-	V	0	
		448	70						448	90					4	491	0		
GT	222	GCTG	GCG	TGG	GCC	GCT	GCG	CAC	CGC	GGG	TCA	CGA	CGT	GCG				CCA	GCCC.
V	P	L.	A	W	A	L	R	T	\vec{z}	G	Η	D	V	R	V	Ą	A	Q	2
		449							449						_	497	-		
GC	GCT	CACC		GCG	GT								GGT.	ACC	CGT	CGG	CTC	CGA	CCAC
A	Ŀ			A	V	I	G	A	_	L	T	A	V	Ď	V	_	S	D	H
		449							450						-	503	_		
		GTTC																	
ĸ	L	F 1		I	V	P	E	V		7.	Q	V	H	R	-	_	F	Ă	L
C > 1	ملعث	450) (CTAC			030	~ A (~~ » (450		<u>-т-</u>	~~~	مصت∼	~~~ ~		509		~~~	CC3C
D ·				cuc R	E.GAC					S.C.E.C.			311(F					ري. 0	250
ב	1	451	-	11	-	Q	-	بد	451		74		Ę	ш		515		Q	E
GC	CAC			TGG	GTZ	ΑΤΑ		ىت			~ 2 Z(~G.2/) ب ب	كلمك			_	GCT	GGTC
A	T.	S		W	v					N				F	V	A	E	L	V
	-	451			•	-	-	·	451		• •	_	_		•	 521		-	•
C.A.	CTT		CGG	GAC	TGC	CG:	rcc:	rg.	CCT	GGT	GCT	CTG	GGA(GCC	كتت	CAC	CTT	CGC	CGGC
	F	A :		D	W					∇			Ξ				F	A	
		452							452							527	-		
GC	CGT	CGCG	GCC	CGG	GCC	TG	CGG?										CAG	CGA	CCTC
A	V		_	R	A	С	G	7.		Ξ	7.	3	L	Ĺ			_	D	L
	~~~	4529		~~~					453							533	-		
AC T		CTAC																	
1	G	4535		Ŕ	G	R	-	Q	A	Q	R	L	2	R	P	- 2 0 /	Ε	D	R
		. cce DDDDD		~~~		· — (	کت ک		453		~~~	~~~	~~~	~17477		5391		متمت د	
D CC	D D			GGC G	T T	W	L			.GG V	A A			F	ر حولار	v V	LGA. E	AII F	G
-	ט	454	_	3	•	**		1	454	•		G		+	_	5450	_	-	G
G 2 (	GGAC			GTY	GGG	CAC	TGC	کٹ			~~ ~ (	كلمك	3000	3000				ىلىڭ	GG Z C
		L																	
_	_	454			•	¥	•		454		~	_	-	-		551		~	-
AC	CGG:	LATG(			GTI	GTO	GCC				GCC	TAC	CAAC	IGG				GGT	TCCG
$\mathbf{T}$	G	M I	Ξ '	T	V	V	A	R	T	L	5	Y	N	G	A	S	V	V	P
		4553	30						455	50						557			
																		CTC	CGGA
D	W	L !			G	S	Ą	T				С	I	T				S	G
		4559			_					10		٠.				5630			
		GCTC																	
L	G	LA		Ą	D	Α	D				₹	${f T}$	L	A	_			R	F
~	D001	4565							456							569			~ . ==
		GAA																	
ن	G	Ξ	<u>'</u>	V	V	1	G	٥	ی	₽	ט	1	5	Α.	V	سي	D	N	<u>+</u>

					•	-			13,	/ 60									
		457							457							575			
CG	LLL	GGTG	GA.	L'T'(	CGT	TCC	GAT	GGG	CGT	TCI	GCT	CCA	GA.A	CTG	CGC	GGC	GAT	CAT	CCAC
R	L	V	D	F	V	P.			A							Α		I	
		457	_			•			457			_				581			
CAG	CGG	CGGG	GCC	CGG	AAC	CTG	GGC:	CAC	GGC	ACT	GCA	CCA	CGG.	TAA	TCC	GCA.	AAT.	ATC.	AGTT
H	G	G					A		A		Ħ	H				0		S	
		458	30						458	50				_		5870		•	•
GC2	ACA	TGAA	TGO	GA?	TTG	CÀTC	GCT.	ACG	CGG	CCA	GCA	GAC	CGC	GGA	<u>Σ</u> (Τ)			300	کٹ <i>و و</i>
A			W	D		M	L	R	G	0	Q		Ą			G		G	
		458	90						459		•	_		_		5930		•	-
TAC	CTO	CCGG	CCC	GAC	GAC	GTO	GA				ATT	GGC	GAG	-60	ائل پ		- - -	كت	المنات
Y	L		P	D	E											T		V	
		459	50						459		_	• •	Ū	••		5990	-	•	·
GAC	GAG	CCC		TAC	CACC	GAG	SAAC	CGC			GC T	TOGO	CAC	3626				7620	
	Ð			Y		E	N	Δ.	V	ĸ	T,	- ੨	=	=	2	L		D	פ
		460	10			_			460		_	• •	~			5050		ט	-
ACC	CCC	GCAG		ATC	GTO		acg:				بنباح	-200			7720		, .aa.	מתר	ccc
	P		E	I	V	P	д З	7.	=	F	T.	m	B 2000	⊋ ⊃	u H	.GCC	.GGC	· ·	3000
		460				_			450		_	-	•			5110			
TTT	CCC	ACC:			TCC	GTC	CG				بالب	-663	احدد	מאמנ	200	2027	גיטיטיג י		AGGG
													.000	300			Y.		G
																	_	 5	_
		461	3.0						461	50					1 4	5170		<i>_</i>	
CGG	لمل	rcgc(		GCT	تالمنة	(CG2							cac	2033					
G	F	Ä	F.		Y	ח	R	- U	Y	2	عد حاد	)	G	K	D.	Y	A.		E.CGA
_	_	461		_	-	-			462:				9		_	5230		.7.	
GGC	CGC	GCA		CGC	GCG	GCT	GGT	~_A	GAG:	<u> </u>	300	ותכר	مناب	cac				<b>72.7</b> 4	YC2
A		0		A	R	L	V	3	D	7	T.	2	5	.000 2	s				
		462	50			_			4627		_	•	_	••	_	5290			
CGT	'GGC	CTG	-	GAC	CGG	CAC	CC=				لملت	M-C	ירם צ	. ССТ				CCT	Y22C
V			G		G	Ū.	Н	T.	R	ਹੁਦ. ੨	=	2	ת ה	T.	F		_	V	
		4633	_	-	_	_			4633		•	- 1				350	_	v	-
CGG	GCT	GGA		GTC	GGC	GGC	GAT				יט אין		:ccc	יכר ב				ייב אב	<b>Y</b>
		Ξ				A	M	·	E	V	2	.cc	P			. CGG		7	בככ
_		4631	-		•-				4639		••	• • •	•	¥		410		-	•
GGT	GCI	GCA		CGA	САТ	<i>Y</i> CC	בא				raas	ت بند ر	CCA	نمدت				~ <u>.</u>	تكثب
		Q							A A			R						T	C
	_	464		_		••	_		4645			•••	_	•		470	•	-	_
CAT	لملئ	CAG		$C \Sigma T$	ירהה	בסם	$\Gamma Z \Gamma$						ССТ	ر د د د د م			ССТ	~~~	CTV-
		S																	
	-	4649	90	_	•	••	•-		1651	ີ	-7.	ت		ט		530			3
ىلملى		CCG					CGG					شتتد	ر د ت	٥٥٥	CTC		تىلىت	~~~	000
F	7	R	H	τ.	Δ	פככ	G	ص	T V	. CG.	1 DD 1	.GG 5	CGA	מככ	G 1 G	 	G 1 2		502
-		4655	50	~	••	•	•		1657		٧	٧		F		590		F	=
GGA		CCTC			стъ	೧೧۳	cac				<b>ئ</b> انىڭ	~~~	~~ »		ע ז <i>בי</i> ע טיבי		<u> </u>	· ~ ~ ~	~m~
רי	F	L	מינט	-COO	V	V	200	٠٠٥٠	ת הסיננ	1 D D 2	. GG : 17	رب ت				.C.C. 1.	ひれし	iget i T	C_C
~	-	4663	0	3	_	٧			1663			7.	ע	G		650	1	Ţ	ڪ
GCG		CTCC				200							س د ت	~~~			$\sim$ m $\sim$		~~m
500	V	S	H	ا کیا ت	77	ى ت	_GC _	عی ر	صوب ا	, CCC	.ن س	2	GMT M	اهری ح	لىتىن 1	الشريات ويو	ت 1 ب ترت	1 ئات رى	∪G I
- `	•	4667	7 ()	J	•				1669					ı				V	V
GGC		CGC			CGC	<b>عبر</b> ر	ace.							CC 3.	Ø ÷ ∩	710	~~~	~	~~`
20C	רן הנטט	A.	V			200	555 F	Н	 ::	ند ت ب. 17	.GGM	بدين. تا	اند <u>د</u> ت	C G A	نج. ج	~	GC i T	-11	الدى ج
	_		•	- •		-	A \	* 1				4.7		ئند		_	بن	Ξ	ニ

		46730					4	6750				•	4 6	5770	)		
GCG	GC	AGCAGT	'ACG	AGA	\GGC	CT.	PCAC	CGCGC	SCCG	STT	GCGC	TGT	GC.	AGTA	CC	rgg.	AGGG
R	Q	Q Y	E	K	A	F	${ m T}$	A = A	A. G	С	A	V	0	Y	L	E	G
		46790					4	6810	•				_	830			
CGG	AC	CCTCCG	GAC	GCGG	GTT	GT	rcgi	CGGTC	STGCC	acca:	3.2 TO	SACC			كىلىك	-600	بالملعلة
G		SG	R	G	Τ.	F	V	G 1	<i>1</i> 2	G	*	ع عديد		د تات د			,,,,
•	-	46850				-		6870	, 10	G			4.0	- 0 0 0			
· ~~	<u>, С</u>			. ССП	~ > C								4:5	890			
100	Gı	TCCTGG	CACA	400 I	GAI		بالمال	.C.A.C.G.	عنوررر	_T_1_1	יכככ	:CGC				SACC	CTT
		46910						6930					46	950			
ACA	.GT	GAGTGC	GGG"	rc ri	'GAT	CG?	7C'77	CGCCC	CGGCC	GC.	AGC.A	LAGO	:GG	AGCC	GTO	GAC	GAC
		VR	V	L	I	D	N	A F	R ≶	Q	Q	A	Ξ	2	S	${f T}$	${f T}$
		ORF1	6	>													
		46970					4	6990					47	010			
ACC	GC:	AGGGAG	AGTO	GAT	'GGG	TGA	ATCG	GACCO	GCG2		GAC	יי בי	٠٠٠	2001	2 TC	- <del>Т</del>	CC Z
		G E		М	G	ת	⇒	T G	ם כ	.ccc R		I		.GGA E		S	_
-	×	47030	٥					7050	, 5	17	1	<u>-</u>	-	_	3	5	Q
030			بملمن		· ~ ~ ~	~~~				~~~			4/	070			
GAC.		CAACGC	G 1 1 1		د ب		ئىرى ب√ر ھ	<i>00000</i>	ا بشیندی: س		.CAC	CGC	CAC				
1.	A	TR	F	با	با	G		G G	; <u>I</u>	P	Ţ	A	T	Α	Ξ	${f T}$	H
		47090					4	7110					47	130			
CGA	CTO	GCTGA		SCAA	CGG	CGC	CGA	.GCAGC	GGCI	$\mathcal{C}GA$	GGT	GGC	GCG	CGT	GCC	GTT	CAG
D	W	L T	R	N	G	A	Ξ	Q R	L	Ξ	V	Δ	R	V			S
		47150						7170						190			
CGC	CA	rggacc	GCTG	GTC	GTT	CCA	GCC	CGAGG	ACGG	C 2 G	CCT	YC.GC	2		حت	caa	aca
A		D R		S	F	0	5				L					.030 G	
••	• •	47210	• •	_	•	¥		7230 7230	, G	K	سڌ			250	3	G	7.
ىلىت	حب	CTCCA	بر بر بر		$\sim$ $\sim$	~~~			~~ > >		~~~	~~~	~ <del>~</del> /	250			~~~
	· .				- ·	~~					1 :-:-	( '  : -				( 117 =	
			_		T												
F	F	S I	E	G	L	Н	V	R T	, N				R	R		W	
F	F	S I 47270	E	G	L	Н	V 4	R T 7290	, N	F	G	W	R 47	R 310	Ð	W	I
F CCA	F GC0	S I 47270 CATCA	E ICGI	G GCA	L GCC	H CGA	V 4 GAT	R T 7290 CGGCT	TCCT TCCT	F CGG	G CCT	W CAT	R 47	R 310	Ð	W	I
F CCA	F GC0	S I 47270	E ICGI	G GCA	L GCC	H CGA	V 4 GAT I	R T 7290 CGGCT G F	TCCT TCCT	F CGG	G CCT	W CAT	R 47	R 310 CAA	D GGA	W	I
F CCA Q	F GCC P	S I 47270 CATCA' I I 47330	E ICGI V	G GCA Q	L GCC P	H CGA E	V 4 GAT I 4	R T 7290 CGGCT G F 7350	TCCT	F CGG G	G CCT L	W CAT I	R 47 CGT V 47	R 310 CAA K 370	D GGA E	W GTT F	I CGA D
F CCA Q	F GCC P	S I 47270 CATCA' I I 47330	E ICGI V	G GCA Q	L GCC P	H CGA E	V 4 GAT I 4	R T 7290 CGGCT G F 7350	TCCT	F CGG G	G CCT L	W CAT I	R 47 CGT V 47	R 310 CAA K 370	D GGA E	W GTT F	I CGA D
F CCA Q CGG	F GCC P TG1	S I 47270 CATCA I I	E ICGT V ACGT	G GCA Q GCT	L GCC P GGC	H CGA E GCA	V .GAT I 4 .GGC	R T 7290 CGGCT G F 7350 CAAGG	' N TCCT ' L CCGA	F G G GCC	G CCT L GGG	W CAT I CAA	R 47 CGT V 47 CAT	R 310 CAA K 370 CAA	D GGA E CGC	W GTT F	I CGA D
F CCA Q CGG	F GCC P TG1	S I 47270 CATCA' I I 47330 GCTGC: L H	E ICGT V ACGT	G GCA Q GCT	L GCC P GGC	H CGA E GCA	V .GAT I 4 .GGC A	R T 7290 CGGCT G F 7350 CAAGG K A	' N TCCT ' L CCGA	F G G GCC	G CCT L GGG	W CAT I CAA	R 47 CGT V 47 CAT	R 310 CAA K 370 CAA N	D GGA E CGC	W GTT F	I CGA D
F CCA Q CGG	F GCC P TG1 V	S I 47270 CATCA' I 47330 GCTGC. L H 47390	E ICGT V ACGT V	G CA Q CGCT L	L GCC P GGC A	H CGA E GCA Q	V 	R T 7290 CGGCT G F 7350 CAAGG K A 7410	'N TCCT L CCGA E	F CGG G GCC P	G CCT L GGG G	W CAT I CAA N	R 47 CGT V 47 CAT 47	R 310 CAA K 370 CAA N 430	D GGA E CGC A	W GTT F CGT V	I CGA D CCA Q
F CCA Q CGG	F GCC P TG1 V	S I 47270 CCATCA' I I 47330 GCTGC. L H 47390	E PCGT V ACGT V	G CGCA Q CGCT L	L GCC P GGC A GGC	H CGA E GCA Q GAC	V 4.GAT 4.GGC A 4.CCG	R T 7290 CGGCT G F 7350 CAAGG K A 7410 CAGCA	'N TCCT L CCGA E ACTA	F CGG G GCC P CAC	G CCT L GGG G G	W CAT I CAA N CGT	R 47 CGT 47 CAT 47 CCA	R 310 CAA K 370 CAA N 430 CCG	D GGA E CGC A	W GTT CGT V CTC	I CGA D CCA Q GAA
F CCA Q CGG	F GCC P TG1 V	S I 47270 CCATCA' I I 47330 GCTGC L H 47390 CCCCGAC P T	E PCGT V ACGT V	G CA Q CGCT L	L GCC P GGC A GGC	H CGA E GCA Q GAC	V 4 GAT I 4 GGC A 4 CCG R	R T 7290 CGGCT 7350 CAAGG K A 7410 CAGCA	'N TCCT L CCGA E ACTA	F CGG G GCC P	G CCT L GGG G G	W CAT I CAA N CGT	R 47 CGV 47 CAT 47 CCA CCA	R 310 CAA K 370 CAA N 430 CCG	D GGA E CGC A	W GTT F CGT V	I CGA D CCA Q GAA
F CCA Q CGG G G	F GCC P TGT V CTC	S I 47270 CCATCA' I I 47330 GCCTGC. L H 47390 CCCCGA( P T 47450	E PCGT V ACGT V CCCT	G CCA Q CCT L CCA Q	I GCC P GGC A GGC	H CGA E GCA Q GAC T	V 4 GAT I 4 GGC A 4 CCG R 4	R T 7290 CGGCT G F 7350 CAAGG K A 7410 CAGCA S N 7470	TCCT L CCGA E ACTA	F CGG G GCC P CAC T	G CCT L GGG G CGG	W CAT I CAA N CGT V	R 47 CGT 47 CAT 47 CCH 47	R 310 CAA X 370 CAA N 430 CCG R 490	D E E CGC A CGG	W GTT F CGT V CTC S	I CGA D CCA Q GAA K
F CCA Q CGG G G GCT L GGT GGT	F GCC P TG1 V CTC S	S I 47270 CCATCA I I 47330 CCCTGC L H 47390 CCCCGAC P T 47450 CCTTCA	E ICGT V ACGT V ICCT L	G CGCA CGCT L CGCA Q	L GCC P GGC A GGC A	H CGA E GCA Q GAC T CAA	V 4 GAT 4 GGC A 4 CCG R 4 CGG	R T 7290 GGGCT G F 7350 CAAGG K A 7410 CAGCA S N 7470 CACGC	TCCT L CCGA E ACTA Y GCCC	F CGG GCC P CAC T	G CCT GGG G CGG	W CAT I CAA N CGT V GAT	R 47 CGT 47 CAT 47 CCH 47	R 310 CAA X 370 CAA N 430 CCG R 490	D E E CGC A CGG	W GTT F CGT V CTC S	I CGA D CCA Q GAA K
F CCA Q CGG G G	F GCC P TG1 V CTC S	S I 47270 CCATCA I I 47330 CCCTGC L H 47390 CCCCGAC P T 47450 CCTTCA	E PCGT V ACGT V CCCT	G CGCA CGCT L CGCA Q	L GCC P GGC A GGC A	H CGA E GCA Q GAC T CAA	V 4 GAT I 4 GGC A 4 CCG R 4	R T 7290 GGGCT G F 7350 CAAGG K A 7410 CAGCA S N 7470 CACGC	TCCT L CCGA E ACTA Y GCCC	F CGG GCC P CAC T	G CCT L GGG G CGG	W CAT I CAA N CGT V GAT	R 47 CGT 47 CAT 47A CH 47T	R 310 CAA K 370 CAA 430 CCGG R 490 CGTG	D E E CGC A CGG	W GTT F CGT V CTC S	I CGA D CCA Q GAA K
F CCA Q CGG G GCT L GGT V	F GCC P TGN V CTC S	S I 47270 CCATCA I I 47330 GCTGC: L H 47390 CCCCGAC P T 47450 F I 47510	E TCGT V ACGT V CCCT L TCGA	G GCA GCT L GCA Q GTA	L GCC P GGC A GGC A CTT	H CGA E GCA Q GAC T CAA N	V 4 GAT 4 GGC A 4 CCG R 4 CCG 4	R T 7290 CGGCT G F 7350 CAAGG K A 7410 CAGCA S N 7470 CACGC T R 7530	TCCT L CCGA E ACTA Y GCCC P	F CGG GCC P CAC T GAG S	G CCT GGG G CGG CCG	W CAT I CAA N CGT V GAT I	R 47T 47T 47A CH 47T 47A CH 47T 47A CH 47T 47A CH 47T 47	R 310 CAA X 370 CAA V 430 CCG 490 CGT V 550	D GGA CGC A CGG CGA	W GTT CGT V CTC S CGT	I CGA D CCA Q GAA K GCT L
F CCA Q CGG G GCT L GGT V	F GCC P TGN V CTC S	S I 47270 CCATCA I I 47330 GCTGC: L H 47390 CCCCGAC P T 47450 F I 47510	E TCGT V ACGT V CCCT L TCGA	G GCA GCT L GCA Q GTA	L GCC P GGC A GGC A CTT	H CGA E GCA Q GAC T CAA N	V 4 GAT 4 GGC A 4 CCG R 4 CCG 4	R T 7290 CGGCT G F 7350 CAAGG K A 7410 CAGCA S N 7470 CACGC T R 7530	TCCT L CCGA E ACTA Y GCCC P	F CGG GCC P CAC T GAG S	G CCT GGG G CGG CCG	W CAT I CAA N CGT V GAT I	R 47T 47T 47A CH 47T 47A CH 47T 47A CH 47T 47A CH 47T 47	R 310 CAA X 370 CAA V 430 CCG 490 CGT V 550	D GGA CGC A CGG CGA	W GTT CGT V CTC S CGT	I CGA D CCA Q GAA K GCT L
CCA  CGG  GCT  L  GGT  V  CCA	F GCC P TG1 V CTC S CCC R	S I 47270 CCATCA' I I 47330 GCTGC. L H 47390 CCCCGAC P T 47450 F I 47510 CCGAGC	E ICGT V ACGT V CCCT L ICGA E AGGG	G GCA CGCA Q GTA Y	L GCC P GGC A GGC A CTT F	H CGA GCA Q GAC T CAA N GTT	V 4 GAT 40 GGA 40 GGA 40 CG 47 CG 47	R T 7290 GGGCT 7350 CAAGGA 7410 CAGCA 7470 CACGC T R 7530 GGGCA	TCCT L CCGA E ACTA Y GCCC P AGCG	F CGG GCC P CAC T GAG S	G CCT GGG G CGG CCG	W CAT I CAA N CGT V GAT I GAA	R 4GT 7A 7T	R 310 K 370 K 370 N 430 CR 490 CGT 550 GGT	D GGA CGG G CGA D	W GTT CGT V CTC S CGT V	I CGA D CCA Q GAA K GCT L
CCA  CGG  GCT  L  GGT  V  CCA	F GCC P TG1 V CTC S CCC R	S I 47270 CCATCA' I I 47330 GCCCGAC L H 47390 CCCCGAC P T 47450 GGTTCA' F I 47510 CCGAGC E Q	E ICGT V ACGT V CCCT L ICGA E AGGG	G GCA CGCA Q GTA Y	L GCC P GGC A GGC A CTT F	H CGA GCA Q GAC T CAA N GTT	V 4 GAT 40 GGA 46 GGA 46 CG 47 CG 47	R T 7290 CGGCT 7350 CAAGG K10 CAGCA SACGC T470 CACGC T530 GCGCA R	TCCT L CCGA E ACTA Y GCCC P AGCG	F CGG GCC P CAC T GAG S	G CCT GGG G CGG CCG	W CAT I CAA N CGT V GAT I GAA	R 4 G V 4 T T A C C C C C C C C C C C C C C C C C	R 310 K 370 CAA N 430 CGT V 550 CGT V	D GGA CGG G CGA D	W GTT CGT V CTC S CGT V	I CGA D CCA Q GAA K GCT L
CCACCCACCCACCCACCCACCCACCCACCCACCCACCC	F GCC P TGC V CTC S CCC R	S I 47270 CCATCA' I I 47330 GCCCGAC L H 47390 CCCCGAC P T 47450 GGTTCA' F I 47510 CCGAGCA' E Q 47570	E TCGT V ACGT L TCGA E AGGG	G GCA CGCA Q GTA CGCA	L GCC P GGC A GTT F STG	H CGA GCA GAC T CAA N GTT F	V 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4	R T 7290 T390 F 7350 F 7350 A 7410 A 7470 C T30 C T530 A 7590	TCCT L CCGA E ACTA Y GCCC P AGCG R	F CGG GCC P CAC T GAG S	G CCT GGG G CCG R CCG	W CAT I CAA N CGT V GAT I GAA	R 4 G V 4 T T A C C C C C C C C C C C C C C C C C	R 310 K 370 K 370 N 430 R 490 V 550 V 610	D GGA E CGG A CGG G CGA D V	W GTT CGT V CGT CGA CGA	I CGA D CCA Q GAA K GCT L
CGG G G G G CTC V CCAC Q GTTC	F GCC P TG1 V CTC S CCC R TG1 CTC	S I 47270 CCATCA' I I 47330 GCTGC, L H 47390 CCCCGAC P T 47450 GGTTCA' F I 47510 CCGAGC E Q 47570	E TCGT V ACGT L TCGA E AGGG G TGCC	G GCA CGA GTA GTA CGA	L GCC P GGC A GGC F GTG W	H CGA GCA T CAA N GTT F CCC	V 4 GAT 4 GGC A 4 GGC A 4 GGC GG 4 GAA(GAA)	R T 7290 7290 7350 7410 7410 7470 7470 7530 7530 7590 7590	TCCT L CCGA E ACTA Y GCCC P AGCG R GGTG	F CGG GCC P CAC T GAG S CAA	G CCT GGG G CCG R CCGG	W CAT I CAA N CGT V GAA N CGT	R 4GT 7A 7T 7A CH 4CH 4T 7A CH 4T 7A CH 4T 7T 7A CH 4T 7T 7G 7G	R 310 K 370 K 370 K 370 W 430 C 490 C 550 V 610 G GCA	D GGA E CGC A CGA D CGT V	W GTT CGT V CTC S CGT V CGA E	I CGA D CCA Q GAA K GCT L GGT V GGC
CCACCCACCCACCCACCCACCCACCCACCCACCCACCC	F GCC P TG1 V CTC S CCC R TG1 CTC	S I 47270 CATCA' I I 47330 GCTGC: L H 47390 CCCGAC P T 47450 F I 47510 CCGAGC: E Q 47570 CCGACC: D L	E TCGT V ACGT L TCGA E AGGG G TGCC	G GCA CGA GTA GTA CGA	L GCC P GGC A GGC F GTG W	H CGA GCA T CAA N GTT F CCC	V 4 4 5 6 4 7 4 6 6 6 4 7 4 7 6 6 6 7 4 7 6 6 7 4 7 6 7 6	R T 7290 7290 7350 7350 7410 7470 7470 7530 7530 7590 7590 7590 7590 7590	TCCT L CCGA E ACTA Y GCCC P AGCG R GGTG	F CGG GCC P CAC T GAG S CAA	G CCT GGG G CCG R CCGG	W CAT I CAA N CGT V GAA N CGT	R 47T 7A 7T 7A CH 47T 7A CH 47T 7A CH 47T 7C CH 47T CH 47C	R 310 370 K 370 N 430 C 490 C 550 V 610 G G Q	D GGA E CGC A CGA D CGT V	W GTT CGT V CGT CGA CGA	I CGA D CCA Q GAA K GCT L GGT V GGC
CCA CGG G GCT L GGT V CCA Q GTT F	F GCC P TGC V CTC S CCA S CCA	S I 47270 CATCA' I I 47330 GCTGC: L H 47390 CCCCGAC P T 47450 EGTTCA' F I 47510 CCGACC' A7570 CCGACC' D L 47630	E ICGT V ACGT L ICGA E AGGG G IGCC	G GCA CGCA Q GTA CGC A	EGCC PGGCCA AGGCCA FGTGCC WGCAC	H CGA GCA GAC T CAA N GTT F CCC P	V 4 4 G AT 4 G AT 4 G AT 4 G AT 4 G G A 4 G G AT 4 A A A A A A A A A A A A A A A A A	R 0 7290 F 7290 F 735A G 745 G 747 G 747 G 757 G 757 G 757 G 755 G	TCCT L CCGA E ACTA Y GCCC P AGCG R AGCG R GGTG W	F CGG GCC P CAC T GAG S CAA GCT	G CCT GGG GGG CCG R CCG R	W CAT CAA N CGT V GAA N CGT V	R 4 G V 4 A I 4 A C I 4 A M 4 G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A A G A A A G A A A G A A A G A A A G A A A G A A A A A A A A A A A A A A A A A A A A	R 310 K 370 K 370 CAA CON 430 C 550 V 610 GCA 670	D GGA E CGC G CGA D CGT V	W GTT CGT V CGA	I CGA D CCA Q GAA K GCT L GGT V
CCAC CCAC CCAC CCAC CCAC CCAC CCAC CCA	F GCC P TGC V CTC S CCC R GTC C C GTC C GTC GTC GTC GTC GTC GTC G	S I 47270 CATCA' I I 47330 GCTGC' L H 47390 CCCGAC P T 47450 EGTTCA' F I 47510 CCGAGC' EQ 47570 CCGACC' D L 47630	E ICGT V ACGT L CCA E AGGG G IGCC P ACGA	G GCA Q GCA Q GCA CGA CCAA	L GCC P GGC A GGC F GTG W GCA H	H CGA GCA Q GAC T CAA N GTT F CCC P	V 4 4 4 6 A 4 6 C A 4 6 C C A 4 6 C C A 4 6 C C A A 6 C C A A 6 C C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A 6 C A	R T 7290 7290 7350 7350 7410 7470 7470 7530 R 7530 R 7550 R 7550 C T 7550	TCCT L CCGA E ACTA Y GCCC P AGCG R GGTG W ACCT	F CGG GCC P CAC GAG CAA GCT GCG	G CCT GGG G CGG R CCG R CACC	W CAT CAA N CGT V GAA N CGT V	R 4 G V 4 A I 4 A C I 4 A M 4 G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A A G A A A G A A A G A A A G A A A G A A A G A A A A A A A A A A A A A A A A A A A A	R 310 K 370 K 370 CAA CON 430 C 550 V 610 GCA 670	D GGA E CGC G CGA D CGT V	W GTT CGT V CGA	I CGA D CCA Q GAA K GCT L GGT V
CCAC CCAC CCAC CCAC CCAC CCAC CCAC CCA	F GCC P TGC V CTC S CCC R GTC C C GTC C GTC GTC GTC GTC GTC GTC G	S I 47270 CATCA' I I 47330 GCTGC: L H 47390 CCCCGAC P T 47450 F I 47510 CCGACC' EQ 47570 CCGACC' D L 47630 CCCACC' H H	E ICGT V ACGT L CCA E AGGG G IGCC P ACGA	G GCA Q GCA Q GCA CGA CCAA	L GCC P GGC A GGC F GTG W GCA H	H CGA GCA Q GAC T CAA N GTT F CCC P	V 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	R T 7290 7290 7350 7350 7410 7470 7470 7530 R 7530 R 7550 R 7550 R 7650 M	TCCT L CCGA E ACTA Y GCCC P AGCG R GGTG W ACCT	F CGG GCC P CAC GAG CAA GCT GCG	G CCT GGG G CGG R CCG R CACC	W CAT CAA N CGT V GAA N CGT V	R 4 G V 4 A I 4 A C I 4 A M 4 G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A G A A A G A A A G A A A G A A A G A A A G A A A G A A A A A A A A A A A A A A A A A A A A	R 310 K 370 K 370 CAA CON 430 C 550 V 610 GCA 670	D GGA E CGC A CGG G CGA D CGT V CTG	W GTT CGT V CGA	I CGA D CCA Q GAA K GCT L GGT V
CCAC CCAC CCAC CCAC CCAC CCAC CCAC CCA	F GCC P TGN V CTC S CR CTC S CC P D CTC	S I 47270 CATCA' I I 47330 GCTGC: L H 47390 CCCCGAC P T 47450 GGTTCA' F I 47510 CCGACC' D L 47570 D L 47630 GCACC' H H 47690	E ICGT V ACGT L ICGA E AGGG G IGCC P ACGA	G GCA GCA GCA CGA CAA N	EGCO PGGCO AGGCO FGGGW GCAC H CGTC	H CGA GCA Q GAC T CAA N GTT F CCC P GGT V	V 4 4 C AT 4 A A A A A A A A A A A A A A A A A	R T 7290 7290 7350 7350 7410 7470 7470 7530 7530 7530 7530 7530 7530 7530 7710	TCCT L CCGA E ACTA Y GCCC P AGCG R GGTG W ACCT L	F CGG GCC P CAC GAG S CAA GCT GCG R	G CCT GGG G CCG R CCG R CACC T	W CAT I CAA N CGT V GAA V CGT V	R 4 G V 4 A T 4 G V 4 A T 4 C H 4 C L 4 A M 4 G A 4 C L 4 A M 4 G A 4 C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4	R 310 K 370 K 370 K 370 K 430 K 490 K 60 K 60 K 60 K 60 K 60 K 60 K 60 K	D GGA E GGG C G G G G G G G G G G G G G G G G G	W GTT F CGT V CTC S CGT CGA CGA CCGT CCGT CCGT CCGT CCGT CC	I CGA D CCA Q GAA K GGT V GGC A
CCAC CCAC CCAC CCAC CCAC CCAC CCAC CCA	F GCC P TGN V CTC S CR CTC S CC P D CTC	S I 47270 CATCA' I I 47330 GCTGC: L H 47390 CCCCGAC P T 47450 GGTTCA' F I 47510 CCGACC' D L 47570 D L 47630 GCACC' H H 47690	E ICGT V ACGT L ICGA E AGGG G IGCC P ACGA	G GCA GCA GCA CGA CAA N	EGCO PGGCO AGGCO FGGGW GCAC H CGTC	H CGA GCA Q GAC T CAA N GTT F CCC P GGT V	V 4 4 C AT 4 A A A A A A A A A A A A A A A A A	R T 7290 7290 7350 7350 7410 7470 7470 7530 7530 7530 7530 7530 7530 7530 7710	TCCT L CCGA E ACTA Y GCCC P AGCG R GGTG W ACCT L	F CGG GCC P CAC GAG S CAA GCT GCG R	G CCT GGG G CCG R CCG R CACC T	W CAT I CAA N CGT V GAA V CGT V	R 4 G V 4 A T 4 G V 4 A T 4 C H 4 C L 4 A M 4 G A 4 C L 4 A M 4 G A 4 C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4	R 310 K 370 K 370 K 370 K 430 K 490 K 60 K 60 K 60 K 60 K 60 K 60 K 60 K	D GGA E GGG C G G G G G G G G G G G G G G G G G	W GTT F CGT V CTC S CGT CGA CGA CCGT CCGT CCGT CCGT CCGT CC	I CGA D CCA Q GAA K GGT V GGC A
CCA Q CGG G GCT V CCA Q GTT F GAT M GAC	F GCC P TGC V CTC S CCC R TGC CTC CCC CCC CCC CCC CCC CCC CCC CCC	S I 47270 CATCA' I I 47330 GCTGC: L H 47390 CCCCGAC P T 47450 GGTTCA' F I 47510 CCGACC' L 47630 CCGACC' D L 47630 GCACC' H H 47690 CCGTGG	E ICGT V ACGT L ICGA E AGGG G IGCC P ACGA	G GCA  GCA  GCA  CGA  CCAA  GGA  GGA  GG	L GCC P GGC A GGC F GTC W GCA H CGT V	H CGA Q GAC T CAA N GTT F CCC P GGGT V	V 4 4 5 4 6 4 7 4 6 6 4 7 4 6 6 7 4 6 6 7 4 6 6 7 4 6 7 6 7	R T 7290 7290 7350 7350 7350 7410 7470 7530 7530 7530 7530 7530 7530 7530 75	TCCT L CCGA E ACTA Y GCCC P AGCG R GGTG W ACCT L TGCT	F CGG GCC P CAC T GAG S CAA OCT GCG R	G CCT GGG GG CCG R CCG R CACC T	W CAT I CAA N CGT V GAA V CGT V	R 4 G V 4 A T 4 G V 4 A T 4 C H 4 C L 4 A M 4 G A 4 C L 4 A M 4 G A 4 C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4 A T C L 4	R 310 K 370 K 370 K 370 K 430 K 490 K 60 K 60 K 60 K 60 K 60 K 60 K 60 K	D GGA E GGG C G G G G G G G G G G G G G G G G G	W GTT F CGT V CTC S CGT CGA CGA CCGT CCGT CCGT CCGT CCGT CC	I CGA D CCA Q GAA K GCT L GGT V GGC A CCC P GTT

									_	٠, ١	, 0											
			750							777							47	7791	0			
CC	AGG	CCC	GGC	TGC	TGC	ACT	CGT	<u> </u>	200	GG	CGC	٠. د	GC 2		~CG	acc	~ <u>~</u> 2	202	7 C 3	TC:	AACA	a
	7	⇒	T.	T.	ם	S	F		_ `		200		٠.	F	, – –	3						
Q					11	د ،	E						1		•			N	N	1 1	1 S	
			810							783							47	850	0			
CC	rgc	TGA	GCT	GGA	TCT	'CCG.	ACG'	TG	CG(	CGC	CAC	GC	GCG	AGI	TC	GT	GC A	AGC(	GCG	GCC	CGCC	C
	L		W	I	S	D	V		2	Δ	R	R	Ξ	· =	•	7	$\cap$				₹ P	
		17	870		_	_				789		• •	_			•	_			, ,		
i																		91				
GC.	T.GC.		ACA	TCG	AGC	GCA(	يات (1	GG	TGC	JAT	CCG	CC	GCG	ACG	:AC	GG	PAC	CG	AGC	ACC	GAGG2	A
L	P	D	Ι	E	R	S	G	1	W	I	R	R	D		) (	G	I	Ε	H	i E	EE	
		47	930							795						_		970		_		
GAS				TCC	A C C	مدنب	TYC (-/	~~				~~	~~>	~~~	~~	~ ~ ~	, <u>.</u>		, ~ ~	·m~ 1	AACTO	_
				100.		101	100	ري.	C		1 ي	ی ی	_ _		برور	- -	۔ ان					
Λ.	K	_	F	ט	V	F	ی					A	1	S	, ]	)	R	Ξ	V	N	1 S	
		47	990						48	301	0						48	030	)			
GTC	GGA'	TGC.	AGC	CGC'	TGC	TCT	CGC	CC	GCC	122	C 2 2	CG	GCC	TCC	тС:	300	7	ات ت	rc.c	TY 2	AAGG:	3
			P	Τ.	т.	S	D		2	NI	NT.			- C C			-	·	7	,,	#100.	
**	1.1	-		יב		3	F	•				G	با			÷.				Ţ.	C D	
			050							307								090				
CAT	rcg(	GCG	GCA(	CGT	TGC.	ACG	:GC	TC(	GTC	CA	GCT	'GC	GC.A	CCG	AG	SCG	GG	CGC	GA	TGO	ACG:	r
			T	ī,	$\Xi$	A	Ŧ.	7	Ĭ	$\circ$	Τ.	⊋	Ŧ	-			G	G		_	) V	
-,	_		110	_		• •	_			3 13		- `	-	_	•	•					, ,	
~~~									- 42 0	121	U						48	150	)			
CGC					CTA	CGG".	rgc.	JC.	rgc	CAC	GCC	CG.	ACA	ACT	'AC	GCC	G.A	.CGC	:GC	CCG	AGG?	Ą
A	Ξ	L	A	P	Ŧ	V	Ξ	(_	Q	Ρ	D	N	Y	2	4	D	A	p	Ξ	ΞΞ	
		48	170						4.8	Ĩ9(n			-	_	_	Ω	210	٠ -	_	_	
دسم				~~~	· ~~·	~~~	· ~ —	300				~~	T	~~~								
					410	1666	ع له عاية	-10	ت لم د	1.17	يميدن	CG.	التور	CGC	GC.	CG	CA	.GG'1	CC	GC.T	CACG	j.
F	R	₽	A	Ž	V	D	Ā	,	J	L	N	V	P	R		3	Q	V	R	Y	D	
		482	230						4.8	250)						48	270)			
CGC	אדי ב	200	کئی ک	٠٠٠:	200	AGGG	2000	200					~~ `	300					.	т	TGAT	.
~~~	T.7	 			.00.			<u> </u>	-00	; <u></u> . \	- :		يەرى دەر	AC G	40.		. C G	٠. ن	ير م			L
•-1	W		S	=	ے	G	ت.	:				K	N	Ξ	- 2	Ň.	R	Y	M	L	. I	
			290							310							48	330	)			
CGA	LGG	rgc(	CCGC	CCG	ACT	TOGE	ACGO	C.	AGT	GCC	CGC	TC	CCG	200	ACC	30	TG	GAT	GA	CCG	TCGA	4
Ξ			Α		=	D	2		= -	2	7	ם ם	ם כ	- 10 G		,	٠.,	м	T.	F		•
~	•		350	_	-			-				F	U		F					r	ט	
										370								390				
CCA	GA	$\Gamma CAC$	CT	ACC:	rgc'	TCGC	GC.	JC:	4GC	CAC	CTA.	CG:	ICA.	ACA'	TCC	:AG	CT	GCG	CA	GCA	TCAT	ſ
Q	Ξ	${f T}$	Y	L	Ŀ	G	Ξ	5	5	Η	Y	V	N	Ī	(	)	Ţ.,	R	. 5	I	I	
_		484	110						4.8	430	`		-	_	•	-		450			_	
CCC	·~~					د ت حد		~~ .					~	~		. ~ ~				~~ >	~~~	_
														يشيش	ACC	CG	ی		AC.	CGA	CCTG	j
A	C	7	S	A	V	Y		7	₹	${f T}$	A	G	*									
													M	K	R			L.	$\mathbf{T}$	D	L	
														F17					_	_		
		10/	170						4.0	400	,							^				
									48	490	)						4 S	コエロ				
GCG	YIA	J.I.L.C	CGGC	CGGC		CGAG	GC.	7	$\mathbb{C}^{\mathbb{C}}$	TGC	IAC.	ACC	CT(	CTA	CGI	GG	GC.	AGG	CC	GAC	CGTC	:
A	I	F	G	G	P	E	A	F	L	F	i '	Т	Ţ,	v	V	G		7	ם	т	V	
			530		-			_		550		•	~	•	٧			570		•	•	
~~~																	40	<i>5 / U</i>				
دون	انكال	رون	SGA(عز (حزر	2,T_T	7.1.16	نورز	ا با د		TGG	AG'	ΓGC	GC(GCT	GAA	CA	AC.	7.Y.C	TG	GCT	GACC	:
G	D	3	Ε	R	F	F	A	R	L	E	3 3	Ň	Α	L	N	N		N	W	L	T	
			590							610								630				
220	CCC				CTC		~ > ~	-	~~~	200	· ~~~		·~~~		~~ ~	~~	TO:		~~	~~~	CCGC	
NT		-00-	2002	2C 1C	3010	3000	. G.A.C		ى.	A00	ال	۔ در	3 (3 L (ريان	د ب							•
N	ی	G	٢	L	V	ત	=	-					V	7	Ð					V	R	
			550							670							48	690				
CAC	TGC	GTO	GCC	ACC	TGC	عجج	GCC	320					י ב רו	<u>.</u> СТҮ	ىت	~~	т <u>-</u>	حود	GC.	220	CGAC	•
Н	~	17	λ λ	 Т		C	3	~~				- 10	, <u></u>	- <i>بال</i> شار	1 ب	٠,	بی د	- <u>-</u>	2	ن.س م	CGAC	•
11	_	v ~ ~ ~		Ţ	_	14		7	V	در	. .	ا	Q	L	V	با		Κ	А	۵	ט	
			10							730								750				
GTG	TCC	:GGC	GAG	GTC	GTC	CATO	CCI	TC	GA:	TG.	CG	کٽڻ	:GCC	GCC		CG	CG	CAC	GC	GGC	GAGC	
V	S	G	Ξ	V	V	M	כ	S	М	T.	٠ -		Δ,		m	۵_			A	_	S	
•	_	_	_	•	•	••	-	_		÷		•			1					.7	ے	

PCT/FR98/01593

		48	770						487	790					1	881	Λ		
TG	GCT				ACC	GGT	GTT	'CTY			rgga	CCC	CGA	GAC	ಕ್ಕ ವಿವಿಧ		GCT	CGA	.cccc
W	L	G	L	E	Þ			$^{\circ}$ C	D	V	D	P	E	T	G	L		D D	P
			830						488	350			_	-	4	887	0	_	-
GA	GCA.	CGT	CGC	GTC	GCT	GGT	GAC	ACC	CGCC	GAC	GGC	CGC	GAT	CAT	CGG	CGT	GCA	CCT	GTGG
Ε	H	V		S		V		P			G	À		I	G	\overline{v}	Н	L	
			890						489						4	893	0	_	
GG	CAG	GCC	CGC	TCC	GGT	CGA	GGC	GC:	rgga	GAA	GAT	CGC	CGC	CGA	GCA	CCA	ĞGT	CAA	ACTC
G	R	P	A	P		Ε				K	I	Α			H		V	K	L
			950						489	70					4	899	0		
ALAL	CTT	CGA	CGC	CGC	GCA	CGC	GCT	GGC	CTG	CAC	CGC	CGG	CGG	GCG	GCC	GGT	CGG	CGC	CTTC
F	F	D		A	Η	A	L	G	C	Ţ	Ą			R	P		G	A	F
			010						490	30					4	905	0		
GG	CAA	CGC	CGA	GGT	GTT	CAG	CTT	CC	ACGC	CAC	GA_A	.GGC	GGT	CAC	CTC	GTT	CGA	.GGG	CGGC
G		\forall	Ε	V	F	S	F	H	A	${f T}$	К		V		S		E	G	G
			070						490	90					4	911	0		
GC	CAT	CGTO		CGA						CGA	.CCG	CAT	CCG	CGC	CAT	GCA	CAA	CTT	CGGG
A	I	V	_	Ð	D	G	L	Ĺ		D	R	I	R	\mathcal{F}	M	H	N	F	G
			L30						491						4	917	0		
		ACCO	GA(CAC	C7-70	CGG	_' `	GAT(GAG	CGA	GTG	CGCC
I	A	P	D	K	L	V	T	D	V	_	\mathbf{T}	N	G	X	M	S	Ξ	C	A
		491							492						4	923(C		
														CAG	GGT	GCA(CAA	CCG	CCTC
A	A	M	_	L	T	S	L	D	A	-	A	Ε	${f T}$	R	V	• •	Ν	R	L
		492		~~~					492							9290			
		الالان	CTO	7.1.Y(IGA(CAT	ATC	CGT	GCA:	CGC	GTTC
N	H	A	L	¥	S	Ð	Ξ	L	R	_	V	R	G	I	S		Н	A	F
~ > -		493			~ > > .				493			_				935(
D			.ಆನ(-															GGC	CACC
U	P	G	Ε	Q	N	N	Ā	Q	Y		Ι	I	S	∇	D	S	A	A	${f T}$
~~	m	493	_				~~~		493						49	9410)		
						يا آرا -	عن بهزر	عنون	GATY	CCT	GCG.							ACA.	ACCC
G	I	D 494	R	D	Q	<u> </u>	Q		Ξ		R	A	Ξ	K		V.	A	Q	Þ
ጥአር	- 1				- 	~~ ~ ~	~~ ~ ~	·	494	5 U	~~~				4 4	470)		
y	- 1 ± C	S	P.	G		- (-)(GCTG
÷	Г	3 494	_	G	С	Η	Q	M	Q	P	Ÿ	2	T	Ξ	P	. P		R	L
GAG	23.30			1010	~~~	·~~	~~ ~ ~		495.		~~~					2530			
E	N	T	E.E	0	L	S	D. D	.CG R									:GC(STCC
_	14	495	_	Q	ب	ے	ט		V 40=1	L	7.	L	P.	T	G.		, .	V	S
AGC	CAC					منت			495'	/ U	~~~	- C TT			45	590)		SCTG
	E	יטבטי ח	- T	200C	2000	3G I (2 1 GC	-G.)	- 		SCIU L	۔ بیان ک	ب نوز ر	4.C.C	. <u>. ۲</u> ۰۰۰	.(G(G(الانكات	SCTG
J	_	496	10		7.	V	_		1 4961		R	با	A	. - .				E	ىل
אַריב	2220			TCC	2020	-C -> C	- > 00				~~~	···	י אחר	~~>	25	650	,		AGTG
	N	. C C C	0.1	TAT	ים מייים	0	2000							الرن ال	<i>ال ن</i> ا	. نون ن	، ک	ميد ڪيد	AGT G
-	.,	496	-	**	D	Q	Γ.		4969		G	S	-		4.0				
CC_{2}	CCA			: - -		ם כי	ב ע ה				י מיתי				5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	710	,		GGT
C C . :	.00.	.00.1	100	30 20			N.												
							:N RF18			π.	Ţ	A	1	7	Q	Ξ	A.	G	V
		497	30			Or.	(I) I C		> 4975	50					<i>a</i> 0	770			
CGC						د تات.	ال ال	ب	3000 3000			-	~~~	~~~	49	770	· ~~ ~ ^	~~~~	GGA
A	.cg				2	 	1.001 1.7	. C. C.		יטטר פ	عصن ج	۱ کاک V	. UG 1	العالمان ج	ر د	1 بات. -			
				17	-	_	V	ن	Α.	π.	-	V	V	π.	٠	L	S	S	E

		4979	_				_	9810						9830			
GGI	CT	CCCGC	GTCA	CCGG	CGC	CCGG	TGA	CGGT	'GACG	CCG	ACG:	rgc?	4GGC	CGC	CCG	GCI	rcgc
V	S	R	V T	G	Α	G	D	G	D A	. D	V	Q	A	A	R	L	A
		4985	0				4	9870	,				49	890			
CGA	CC	TCGCC	GCGC.	ACTA	ACG0	GGC	GCA	CCCG	TTCA	CGC	CGC	ביה	ردر <u>:</u>	AGAC	GCG	TGC	GCG
D		A	A H				H				L		0	Т	R	A	
_	~	4991		-	_	••		9930		-		~	-	950			10
CCT		GCCTG			~~ >	· ——				m	2000						
L	G	_	D R	А	£	-		Н	با با	ن	<u>.</u>	F.			I	Ρ	D
		4997	-					9990						010			
CCI	GGG	GCACC	:GCGG										CAP	ACAC	GAT	CAA	\GCC
L	G	_	A V	E	H	G		Α	G K	Ā	W	S	N	\mathtt{T}	I	K	P
		5003						0050						070			
GCT	GG:	ACGCC	GCAG	GCGC	ACT	GGA	CGC	GGCG	GTCT	ACC	GCA	AGCC	TGC	CTT	CCC	CTA	CAG
		A.						A			K			F	P	Y	S
		5009	0				5	0110				_		130	-	_	_
ССТ	ירכי	CCTG	-			.G.2.C	_		ے ک لعث	ملاحات	2003	نعلات				ССТ	YC 3 C
V			Y P		P		C				JC C.F H			V	GCG R	V	T
v	G	5015	-	G		1		0170	r R	_	п	=	_	-	R	V	ī
~~~														120			
		CCCGC											GCT		CGC		
G	7		-	A	.2.	S	V	•	A G	N	Ε	Ţ	Ŀ	A	Α	Ι	I
		5021						0230						250			
CGA	CG.	AGGTG	CCCA	CGGA	CAA	CCC	GAA	GGCG	ATGT	ACA	TGTC	GGG	CGG	GCT	CGA	GCC	GCT
Ð	Ξ	V	PT	D	N	P	K	A.	M Y	M	S	G	G	L	Ξ	þ	L
		5027	0				5	0290					50	310			
GAC	cas		~~~	PC-C	~~~	~~~											
			L3C3 & L	16.00	1.70	1. 1.	(36.51)	GTCG	こうこに				-	لنعتث	ccz	$C \subset T$	ベゴニ
T								GTCG									
T	N	P	G L	G	E	L L	V	S		OCG( A		GCG R	G	F	CGA D	CCI L	T T
T	N	P 5033	G L O	G	Ξ	L	V 5	S 0350	H A	A	G	R	G 50	F 370	D	L	T
T CGT	N CTA	P 5033 ACACC	G L 0 AACG	G CCTI	E CGC	L CCT	V 5 CAC	S 0350 CGAG	H A CAGA	A CGC:	G FGA2	R .CCG	G 50 CCA	F 370 GCC	D CGG	L CCI	TGTG
T	N CTA	P 5033 ACACC T	G L 0 AACG( N A	G CCTI	E CGC	L	V 5 CAC T	S 0350 CGAG E	H A CAGA	A	G FGA2	R	G 50 CCA Q	70 370 GCC P	D CGG	L	T
T CGT V	N CTA Y	P 5033 ACACC T 5039	G L 0 AACG N A 0	G CCTI F	E CGC A	L CCT L	V 5 CAC T 5	S 0350 CGAG E 0410	H A CAGA Q T	A CGC! L	G TGA2 N	R .CCG R	G 50 CCA G 50	F 370 GCC P 430	D CGG G	L CCI L	T GTG W
T CGT V	N CTA Y	P 5033 ACACC T	G L 0 AACG N A 0	G CCTI F	E CGC A CAC	L CCT L GTC	V 5 CAC T 5 CCT	S 0350 CGAG E 0410 CTAC	H A CAGA Q T GGGC	A CGC! L	G TGA2 N	R .CCG R	G 50 CCA G 50	F 370 GCC P 430	D CGG G	L CCI L	T GTG W
T CGT V	N CTA Y GCT	5033 CACC T 5039 CGGC	G L 0 AACG N A 0	G CCTI F	E CGC A CAC	L CCT L GTC	V 5 CAC T 5 CCT	S 0350 CGAG E 0410	H A CAGA Q T GGGC	A CGC! L	G TGA2 N	R .CCG R .CGA	G 50 CCA G 50	F 370 GCC P 430	D CGG G	L CCI L	T GTG W
T CGT V	N CTA Y GCT	9 5033 CACC 7 5039 CGGC	G L 0 AACGO N A 0 GCGA A I	G CCTI F ICCG	E CGC A CAC	L CCT L GTC	V 5 CAC T 5 CCT L	S 0350 CGAG E 0410 CTAC	H A CAGA Q T GGGC	A CGC! L TGA!	G TGA2 N ACA2	R .CCG R .CGA	9500 05005 0500 0500	F 370 GCC P 430 GTA	D CGG G CGA	L CCT L GAC	T GTG W
T CGT V GGA E	N CTA Y GCT L	P 5033 CACC T 5039 CGGC G 5045	G L 0 AACG( N A 0 GCGA' A I 0	G CCTT F CCCG R	E YCGO A CAO T	L CCT L GTC S	V 5 T 5 CCT L 5	S 0350 CGAG E 0410 CTAC Y 0470	H A CAGA Q T GGGC G L	A CGC: L TGA: N	G TGAA N ACAA N	R CCG R CGA D	G 50A CCA 50A CGA 50	F 370 GCC P 430 GTA Y 490	D CGG G CGA E	L CCT L GAC T	T GTG W GAC T
T CGT V GGA E	N CTA Y GCT L CGC	P 5033 ACACC T 5039 GGGC G 5045 SCAAG	G L 0 AACG( N A 0 GCGA( A I 0 CGCG(	G CCTT F TCCG R SCGC	E CGC A CAC T	CCT L GTC S	V 5 CACO	S 0350 CGAG E 0 0410 CTAC Y 0 0470 CGTC	H A CAGA Q T GGGC G L AAGA	A CGCT L TGAP N AGAP	G TGAA N ACAA N	R CCG R CGA D	G 50A CCA 50A CGA 50G	F 370 GCC P 430 GTA Y 490 CTT	D CGG G CGA E	L CCT L GAC T	T GTG W GAC T
T CGT V GGA E	N CTA Y GCT L	P 5033 ACACC T 5039 AGGGC G 5045 SCAAG K	G L 0 AACGO N A 0 GCGA A I 0 CGCGO R G	G CCTT F CCCG R	E YCGO A CAO T	L CCT L GTC S	V 5 CAC T 5 CCT L 5 ACG R	S 0350 CGAG E 0410 CTAC Y 0470 CGTC	H A CAGA Q T GGGC G L AAGA	A CGC: L TGA: N	G TGAA N ACAA N	R CCG R CGA D	G 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F 370 GCC P 430 GTA 490 CTTV	D CGG G CGA E	L CCT L GAC T	T GTG W GAC T
T CGT V GGA E CAC	N CTP Y GCT L CGC	P 5033 CACC T 5039 GGGC G 5045 SCAAG K 5051	G L 0 AACG( N A 0 GCGA' A I 0 CGCG( R G 0	G CCTT F ICCG R GCGC A	E CGC A CAC T TTT F	L CCT L GTC S CGA	V 5 CAC T 5 CCT L 5 ACG R 5	S 0350 CGAG E 0410 CTAC Y 0470 CGTC V 0530	H A CAGA Q T GGGC G L AAGA K K	A CGCT L TGAM N AGAM	G TGAA N ACAA N ACCT L	R LOGG R LOGA D TGCA	G 0 A 0 G 0 G 0 G 0 G 0 G 0 G 0 G 0 G 0	70 370 370 430 430 430 490 550	D CGG CGA E CCT L	L CCI L GAC T GCG R	T GTG W GAC T GAT M
T CGT V GGA E CAC T GCG	N CTA Y GCT L CGC	P 5033 CACC T 5039 GGGC G 5045 CAAG K 5051	G L 0 AACGO N A 0 GCGA A I 0 CGCGO R G 0 CGGGG	G COTT F TCCG R CCCC A A ACGC	E CGC A CAC T TTT F GCC	L CCT L GTC S CGA E	V 5 CAC	S 0350 CGAG E 0410 CTAC Y 0470 CGTC V 0530 GCTC	H A CAGA Q T GGGC G L AAGA K K GGCT	A CGCT L TGAM N AGAM N	G TGAA N ACAA N ACCT L ACCA	R CCG R CGA D CCAT	G 0 A 0 G 0 G 0 G 0 G 0 G 0 G 0 G 0 G 0	7 370 370 430 430 490 271 550 550	D CGG CGA E CCT L	L CCI L GAC T GCG R	T GTG W GAC T GAT M
T CGT V GGA E CAC	N CTP Y GCT L CGC	P 5033 CACC T 5039 GGGC G 5045 CAAG K 5051 CGAG	G L 0 AACGO N A 0 GCGA A I 0 CGCGG R G 0 CGGGG R D	G CCTT F ICCG R GCGC A	E CGC A CAC T TTT F	L CCT L GTC S CGA E	V 50 CAC T 5 CCT L 5 ACG R 5 CCG	S 0350 CGAG E 0410 CTAC Y 0470 CGTC V 0530 GCTC	H A CAGA Q T GGGC G L AAGA K K	A CGCT L TGAM N AGAM	G TGAA N ACAA N ACCT L	R LOGG R LOGA D TGCA	G	F 370 GCC P 430 GTA 490 CTT F 550 CCT L	D CGG CGA E CCT L	L CCI L GAC T GCG R	T GTG W GAC T GAT M
T CGT V GGA E CAC T GCG R	N CTA Y GCT L CGC G	P 5033 CACC 5039 GGGC G 5045 CAAG K 5051 CGAG E 5057	G L 0 AACGO N A 0 GCGA A I 0 CGCGG R G 0 CGGGG R D 0	G F TCCG R GCGC A ACGC A	E CGC A CAC TTT TTT F GCC P	L CCT L GTC S CGA E GAT	V 5 CAC T 5 T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C	S 0350 CGAG E 0410 CTAC V 0470 CGTC V 0530 GCTC 0590	H A CAGA Q T GGGC G L AAGA K K GGCT G F	A CGCT L TGAN N AGAN N TCAN	G TGAA N ACAA N ACCT L ACCA	R CCGA CGA D CCAT CAT	G 50A C 950A C 950E 50G 5AT C 150	F 370 2 370 2 430 430 490 550 T 610	D CGA E CCT L GCC	L CCT GAC T GCG R GGG	T GTG W GAC T GAT M
T CGT V GGA E CAC T GCG R GGC	N  CTP Y  GCT L  CGC G  CGC A  CGC	P 5033 CACC 5039 GGGC 5045 CAAG K 5051 CGAG E 5057	G L 0 AACGO N A 0 GCGA' A I 0 CGCGGG R G 0 CGGGGI R D 0 CTCAO	G F TCCG R SCGC A ACGC A	E CAC T TTT F GCC P CCT	L CCT L GTC S CGA E GAT I	V 5 CAC T 5 T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C T 5 C	S 0350 CGAG E 0410 CTAC 0470 CGTC 0530 GCTC 0590 CTTC	H A CAGA Q T GGGC G L AAGA K K GGCT G F	A CGCT L TGAN N AGAN TCAN N	G TGAA N ACAA N ACCT L ACCA H AGCT	R CCGA CGA D CAT CAT	G 50A G 50A G 50B 50B 5AT G 5AT 5A C 5AT 5A	F 370 270 274 430 490 490 550 550 610 610	D CGG CGA E CCT L GCC P	L COT GAC T GCG R GGG	T GTG W GAC T GAT M ACG R
T CGT V GGA E CAC T GCG R GGC	N  CTP Y  GCT L  CGC G  CGC A  CGC	P 5033 CACC T 5039 GGGC G 5045 K 5051 CGAG E 5057 CCGG	G L 0 AACG( N A 0 GCGA' A I 0 CGCGGGR R CGGGGR CCGGGGR CCGGGGR CCGGGGGGGG	G F TCCG R SCGC A ACGC A	E CAC T TTT F GCC P CCT	L CCT L GTC S CGA E GAT I	V 5 CAC T 5 T C C C C C C C C C C C C C C C C	S 0350 CGAG E 0410 CTAC 0470 CGTC 0530 CCTTC F	H A CAGA Q T GGGC G L AAGA K K GGCT G F	A CGCT L TGAN N AGAN TCAN N	G TGAA N ACAA N ACCT L ACCA H AGCT	R CCGA CGA D CAT CAT	G 50A G 50A G 50B 50B 5AT G 5AT 5A C 5AT 5A	F 370 2 370 2 430 430 490 550 T 610	D CGG CGA E CCT L GCC P	L COT GAC T GCG R GGG	T GTG W GAC T GAT M ACG R
T CGT V GGA E CAC T GCG R GGC A	N CTF Y GCT L CGC G CGC A CGC A	P 5033 CACC 5039 GGGC 5045 K 5051 CGAG E 5057 CCGG R 5063	G L 0 AACG( N A 0 GCGA' A I 0 CGCGGG R G CGGGG R D CTCA( L T 0	G CCTT F TCCG R GCGC A ACGC A	E CGC A CAC T TTT F GCC P CCT L	L COT L GTC S CGA E GAT CGT	V 5 CAC T 5 T 5 C C C C C C C C C C C C C C C	S 0350 CGAG 0410 CTAC 0470 057C V 0530 CTTC 0590 CTTC	H A CAGA Q T GGGC G L AAGA K K GGCT G F ATCGG	A CGCT L TGAN N AGAN N TCAN N CCGR	G TGAA N ACAA N ACCT L ACCA H AGCT L	R CCG R CGA D CAT I CAA N	G 0 A 0 G 0 G 0 T 0 A 0 G 0 G 0 G 0 G 0 G 0 G 0 G 0 G 0 G	F 370 370 430 430 490 550 610 670	D CGG G CGA E CCT L CAG S CAG S	L CCI L GAC T GCG R GGG G CCC	T GTG W GAC T GAT M ACG R
T CGT V GGA E CAC T GCG R GGC A	N CTF Y GCT L CGC G CGC A CGC A	P 5033 CACC T 5039 GGGC G 5045 K 5051 CGAG E 5057 CCGG	G L 0 AACG( N A 0 GCGA' A I 0 CGCGGG R G CGGGG R D CTCA( L T 0	G CCTT F TCCG R GCGC A ACGC A	E CGC A CAC T TTT F GCC P CCT L	L COT L GTC S CGA E GAT CGT	V 5 CAC T 5 T 5 C C C C C C C C C C C C C C C	S 0350 CGAG 0410 CTAC 0470 057C V 0530 CTTC 0590 CTTC	H A CAGA Q T GGGC G L AAGA K K GGCT G F ATCGG	A CGCT L TGAN N AGAN N TCAN N CCGR	G TGAA N ACAA N ACCT L ACCA H AGCT L	R CCG R CGA D CAT I CAA N	G 0 A 0 G 0 G 0 T 0 A 0 G 0 G 0 G 0 G 0 G 0 G 0 G 0 G 0 G	F 370 370 430 430 490 550 610 670	D CGG G CGA E CCT L CAG S CAG S	L CCI L GAC T GCG R GGG G CCC	T GTG W GAC T GAT M ACG R
T CGT V GGA E CAC T GCG R GGC A	N CTF Y GCT CGC G CGC G CGC A CGC A CGC A CGC CGC C	P 5033 CACC 5039 GGGC 5045 K 5051 CGAG E 5057 CCGG R 5063 GCTG	G L 0 AACG( N A 0 GCGA' A I 0 CGCGGG R G CGGGG R D CTCA( L T 0	G TCCG A ACGC A TCCGA TCCGT	E CGC A CAC T TTT F GCC P CCT L	L CCT L GTC S CGA E CGT V CGT V CGT	V 5 CAC T 5 T 5 C C C C C C C C C C C C C C C	S 0350 CGAG 0410 CTAC 0470 0530 CGTC 0590 CTTC F 0650 CGAG	H A CAGA Q T GGGC G L AAGA K K GGCT G F ATCGG I A GACT.	A CGCT L TGAN N AGAN N TCAN N CCGR	G TGAAN N ACAAN ACCA ACCA H ACCA ACCA GCGG	R CCG R CGA D CAT I CAA N	G 0 A 0 G 0 G 0 T 0 A 0 G 0 G 0 G 0 G 0 G 0 G 0 G 0 G 0 G	F 370 370 430 430 490 550 610 670	D CGGG G CGA E CCT L GCC P CAG S CGG	L CCT L GAC T GCG R GCG R GCG CCC P CCG	T GTG W GAC T GAT M ACG R
T CGT V GGA E CAC T GCG R GGC A ACG	N CTF Y GCT CGC G CGC G CGC A CGC A CGC A CGC CGC C	P 5033 CACC 5039 GGGC 5045 K 5051 CGAG E 5057 CCGG R 5063 GCTG	G L 0 AACGO AACGO N A 0 GCGA' A I 0 CGCGGGGG R G CGGGGG R D CTCAC L T 0 GACTT	G TCCG A ACGC A TCCGA TCCGT	E CGC A CAC T TTT F GCC P CCT L GAC	L CCT L GTC S CGA E CGT V CGT V CGT	V 50 CT 5T CT 5G CR 5A CCR CCR CCR CCR CCR CCR CCR CCR CCR CC	S 0350 CGAG 0410 CTAC 0470 0530 CGTC 0590 CTTC F 0650 CGAG	H A CAGA Q T GGGC G L AAGA K K GGCT G F ATCGG I A GACT.	A CACAC	G TGAAN N ACAAN ACCA ACCA H ACCA ACCA GCGG	R CCGA CCAT CAA N CCGG	G 50A 00A 00A 00A 00A 00A 00A 00A 00A 00A	F 370 GCC P 430 GTA 490 CTT 550 GCC 610 GCC 670 CGA	D CGGG G CGA E CCT L GCC P CAG S CGG	L CCT L GAC T GCG R GCG R GCG CCC P CCG	T GTG W GAC T ACG R GCA Q GCT
T CGT V GGA E CAC T GCG R GGC A ACG R	N CTP Y GCT CGC G G G G G G G CGC A CGP	P 5033 CACC 5039 GGGC 5045 K 5051 CGAG 5057 CCGG 5063 GCTG 5069	G L 0 AACG(	G CCTT F CCGG R ACGC A CCGA CCGA CCGT V	E CGC A CAC T TTT F GCC P CCT L GAC T	L CCT L GTC S CGA E CGT V	V 50 CAT 5T COL 5G CAT	S 0350 CGAG 0410 0470 0470 0530 CGTC 0590 CTTC 0650 CGAG 0710	H A CAGA Q T GGGC G L AAGA K K GGCT G F ATCGG I A GACT. D Y	ACAC	G TGAAN N ACAAN ACCA ACCA H ACCA ACCA G G G G G	R CCGA CGA CAT CAA N CCGG	G 5 A 0 G 5 A 1 5 A 5 A 5 A 5 A 1 5 A 5 A 1 5 A 5 A	F 370 370 430 430 490 490 50 L 0 610 670 600 730	D CGG G CGA E CGG S CGG G	L CCT L GAC T GCG R CCC R CCC	T GTG W GAC T GAT M ACG R GCA Q GCT L
T CGT V GGA E CAC T GCG R GGC A ACG R GTC	N CTF Y GCT CGC G G G G G G G G G G G G G G G G	P 5033 CACC 5039 GGGC 5045 SCAAG 5051 CGAG 5057 CCGG 5063 GCTG 5069	G L 0 AACG( N A 0 GCGA' A I 0 CGCG( R G 0 CGCGG R D 0 CTCA( D T 0 GACT 0 GACT 0 GAGC(	G COTT F COGG R COGC A COGC A COGA COGA COGA COGA COGA	E CGC A CAC T TTT F GCC P CCT L GAC T CGA	L COT S S S S S S S S S S S S S S S S S S S	V 50 C T 5T C T 5G C T	S 0350 CGAG 0410 CTAC 0470 0470 0530 CGTC 0590 CGAG 0710 CGAG	H A CAGA Q T GGGCC G L AAGA K K GGCT ATCGG I A GACT. D Y	A CACACE	G TGAAN N ACAAN N ACCT L ACCA H AGCT L GCGG	R COG R COG COG CAT N COG R COG R COTT	G 50A 00G 00T 00A 00T 00A 00T 00A 00T 00A 00T 00A 00T 00T	F 370 G 270 430 G 270 6370 6370 6370 6370 6370 6370 6370 63	D CGA E CTA	L COT L GAC T GCG R GCG R CCC R CCC	T GTG W GAC T GAT M ACG R GCA Q GCT L
T CGT V GGA E CAC T GCG R GGC A ACG R	N CTF Y GCT CGC G G G G G G G G G G G G G G G G	P 5033 CACC 5039 GGGC 5045 SCAAG 5051 E 5063 CCTG 5069 CTCC	G L 0 AACG( N A 0 GCGA' 0 CGCG( R 0 CGCGG R 0 CTCA( D CTCA( D CTCA( D CTCA( CT	G CCTT F CCGG R ACGC A CCGA CCGA CCGT V	E CGC A CAC T TTT F GCC P CCT L GAC T CGA	L CCT L GTC S CGA E CGT V	V 50 T 5T 5G 5A 5G	S 0350 CGAG 0410 0470 0470 0530 CGTC 0590 0650 CGAG 0710 CGAG	H A CAGA Q T GGGCC G L AAGA K K GGCT G F ATCGG I A GACT C GGCC G L	A CACACE	G TGAAN N ACAAN N ACCT L ACCA H AGCT L GCGG	R CCGA CGA CAT CAA N CCGG	G S A O O O O O O O O O O O O O O O O O O	F 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D CGA E CTA	L COT L GAC T GCG R GCG R CCC R CCC	T GTG W GAC T GAT M ACG R GCA Q GCT L
T CGT V GGA E CAC T GCG R A ACG R GTC S	N CTF Y GCT CGC G CGC G G G G G G G G G G G G G	P 5033 CACC 5039 GGGC 5045 SCAAG 5051 E 5063 CCTC 5063 CCTC 5069 5075	G L 0 AACGG N A 0 GCGA' 0 CGCGG R 0 CGCGG R 0 CTCAG D CTCAG D CTCAG CTCA	G COTT F COGG R GOGC A COGA D COGA V GOGA N	E CGC A CAC T TTT F GCC P CCT L GAC T CGA	L CCT L GTC S CGA E CGT V GGT V GGT	V 50 T 5T 5G	S 0350 CGAG 0410 V 0470 V 053C V 055C 055C 065AG 0710 0770	H A CAGA Q T GGGCC G L AAGA K K GGCT G F ATCGG I A GACT C GGCC G L	ACAC	G TGAA N ACAA N ACCT L ACCA H AGCT L GCGG G RCGG	R CCG R CGA CGA CAT CAA N CCG R CGTT	G 50 A 0 G 0 G 0 G 0 G 0 G 0 G 0 G 0 G 0 G	F 370 GCP 430 430 490 550T 60TS 60TS 730A 790	D CGGG G CGA E COT L CAG CGG S CGG G CTA Y	L CCT L GAC T GCG R GCG R CCC R CCC R CCC	T GTG W GAC T ACG R GCA C C C A
T CGT V GGA E CAC T GCG R A ACG R GTC S	N CTF Y GCT CGC G CGC G G G G G G G G G G G G G	P 5033 CACC 5039 GGGC 5045 K 5051 CGAG E 5057 CCGG 5063 CCTCC 5069 CTCC S	G L 0 AACG( N A 0 GCGA' 1 0 CGCGGG R 0 CGCGG R 0 CTCA( D CTCA( D CTCA( C	G CCTT F CCCG R GCGC A CCGA CCGA CCGA CCGA CCGA	E CGC A CAC T TTT F GCC P CCT L GAC T CGA	L COT L CAT	V 50 T 50 SG SA COR SG COR SA COR	S 0350 CGAG 0410 V 0470 V 053C V 055C 055C 065AG 0710 0770	H A CAGA Q T GGGCC G L AAGA K K GGCT G F ATCGG I A GACT GGCC G L GGCC GGCC	ACACACACACACACACACACACACACACACACACACAC	G TGAA N ACAA N ACCA ACCA H ACCA G G TGCG R TGCG	R CCG R CGA CGA CAT CAA N CCG R CGTT CGA	G 50 A 0 G 0 G 0 G 0 G 0 G 0 G 0 G 0 G 0 G	F 370 GCP 430 430 490 550T 60TS 60TS 730A 790	D CGGG G CGA E COT L CAG CGG S CGG G CTA Y	L CCT GAC T GCG R GGG CCC P CCG R CGC A GCG	T GTG W GAC T ACG R GCA C C C A

					•			7.	0/0	Ü									
		508							083						50	850			
TGT	`GG2	ACGC	CGA	GCT(	GCT	GCG	CAT	CCGC	GCC	GGA	GAC	GAT	GCG	TCC	CAC	CGC	GCA:	ccc	CCA
V		A		L	L	R	I	R	P	Ξ			R						0
		508	70						0890					-	_	910	••	-	×
GGT	'CG	CGGT	GCA	GAT	CGA	CCT	GCT		GAC	س کے۔۔۔۔۔	ביים	CCT	СТА			CCC	ccci	ىلىك	rcc
V	A	V	0	Ī	ח	L	T.	ر د	D	W			Y						
•	••	509		_					950		-	بند	ž	K	E		G	F	P
CCS					~ ~ ~ ~		~ m » /						~ ~ ~		50	970			
GGA		rgga			-4101	-ران	- 1'A(	_ATC	۔ لیان ز	بى بى دەر م	ال (ال	الآقاقا	CAC						GCG
=	ن	E		A	T	R	Y	I_			R	V	${f T}$	ρ,	S	${f T}$	S	L	R
		509						51	.010	)					51	030			
CGA	GG1	rggT(	GGA(	GAAC	TT	CGTY	GCT(	GGAG	AAC	CGA(	GGG	CGT	GCA(	GCC	CCG	CCC	CGG	CGA	CGA
Ξ	V	V		N	F	V	L	Ξ	Ν	Ξ	G	V	Q	Ρ	R	P	G	D	Ē
		510							.070						51	090			
GTA	CT:	CCT	CGAC	CGGC	TTC	CGAC	CAC	GTCG	GTO	BAC	GC.	ACG	GCT	222	CCA	GCT(	CGA	ACG	AGA
Y	F	L	D	G	F	D	0	S	V	ٺ	7	73	T.	N	Q		E	R	D
		511	1.0		-	_	-	51	130	) _	••	- `	_	••	_	150		10	ט
CATO	دود	CGA		عصد	2020	20.20					كتاب.	~~~						, ~m	TCC
I		D		W	E			R					-GG:		يں <u>د</u> ت		لاقافات	4G I	١٥٠
_		511	-	**	_	ב			190			Σ.	G	ĸ					
C3.C1	רים.			~~~	~~~						. ~ ~				) <u> </u>	210			
6.56	1.40	GTG	70C 1	دنون				عات ت	1111	نىڭ ت	\G'!".	ICA(		ICG.			AGC.	AGG.	ACC
						_A	_		F	Ξ	F	T	D,	D	Þ	Х	Q	D	R
					OF	RF19													
		5123						51	250	1					513	270			
GGC	GGG	GCC:	GTI	CGI	GTC	CTCC	GCI	CA	GGA	CGP	YGGC	GT.	rcg1	rgg	GCGC	GG:	rggc	SCC	ATC
R	G	Ŀ	F	V	S	P	L		D	Ξ	A	F	V	G	7	V	G	Н	
		5129							310						513				
GGT.	rcc	CCGT	rcgc	CCA	GAT	'GA2	CCA	CAT	CGT	CIC	CGC		3000	ברכי		13.CC		300	TCC
F		V		Q				Ξ					G				G		Н
		5135	50	~		•			370		••	• •	_	•	513		G		1.
ACT	<u>ت کرا</u>				:GCC	cac	2003	CTC.	cas	ر ٺ		~~	٠٠٠٠						
	T	T	T			. O C C		C	C.T.T. 21	.G	۔ دیں۔ ۱۲	. U 	.C .C	,	. <u> </u>		ەن <i>ن</i> ن	, ,	_
-	•	5141	_	-	•	G	Q		430		· '	÷					R	A	L
T				~~~	C 3 m	~~~									514				
TCG	ى بىر رى	ICA	ـ ئ		د <u>د</u> ک		ء بي ي: • • •	وي ال		نوزر	نجين. –	1°15. 	. C.G.G	تيدى				:GG:	rGG
D				D	÷	R	V	G			T	Ξ	G	K	W	_	A	V	Ε
		5147	•						490						515				
AGAT	rGG	ACAC	CGA	GCA	.CTI	CCG	GGC	GGT	CTA	CTI	CCC	CAG	GGG	CAC	CGC	:GCA	LCGC	CTI	rcc
M	_	${f T}$	_	H	F	R	Α	V			5	2	G	T	A	H	A	F	L
		5153	0					51	550						515	70			
TCGC	CGC	TTGA	.GGA	.CGA	CAC	CCT	GAT	GTC	GTA	CCT	GGT	CAG	CAC	GCC	GT	CGT	GGC	CGA	GT
Ą	L	Ε	D	Ð	$\mathbf{T}$	L	M	S	Ÿ	Τ.	V	S	T	P	v	V	Δ	F	v
		5159	0										_						-
ACGA										<u></u>	~~~	ى ك	~~~	<b>ر</b> ب				~~	~~
	0	2	T	כטוו	בככ	C 1 1	CG.	.C.C.(	2001	ر کی	000	<del>       </del>  -	GCC	ى يان درو	10CC	رنور	.GG2		.66
_	~	. A 5165	· ^ -	ت	-	r	ט		- <del></del>	<u>.</u>	G	ب	٢				ט	L	=
3.000				~~~	~~~	201	~ ~ ~	2 + 1	0/0						516	90			
AGGT	ى.	1 GC 1		CGA	CC0	رني	ريير	GG 1 (	ان فات	CGT	GGA	.CCT	'GGA	GAC	CGC	CAG	GCG	GCG	AG
V	V	L	_ S	ני	R	Ŋ	$\mathbf{T}$	V	A	V	D	Ŀ	E	$\mathbf{T}$			R	R	G
		5171						51	730						517	50			
GGAT	GC'	TGCC	CGA	CTA	CGC	CGA	CTG	CCT	CGG	CGA	GGA	GCC	CGC	CAG	CAC	CGG	CAG	GTG	AC
M	L	5	D	Y	A	D	С	L	G	Ε	Ξ	P	Ą	S	${f T}$	G	R	*	
				*	A	S	Q	R	5	S	S	G	Δ	L	V	Þ	L	H	i
										_		_	. •	_			ORF		
															_				

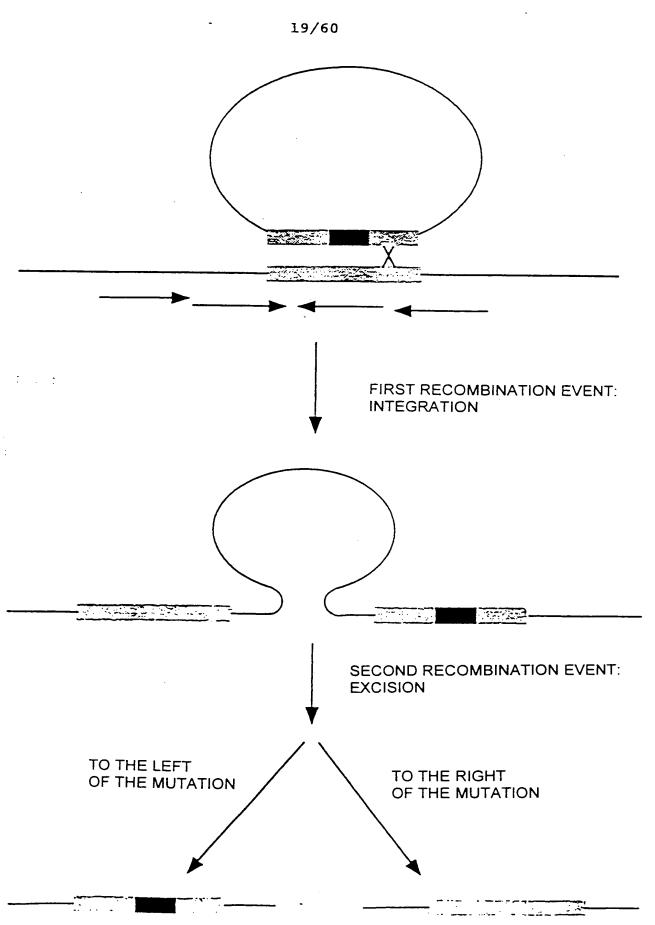
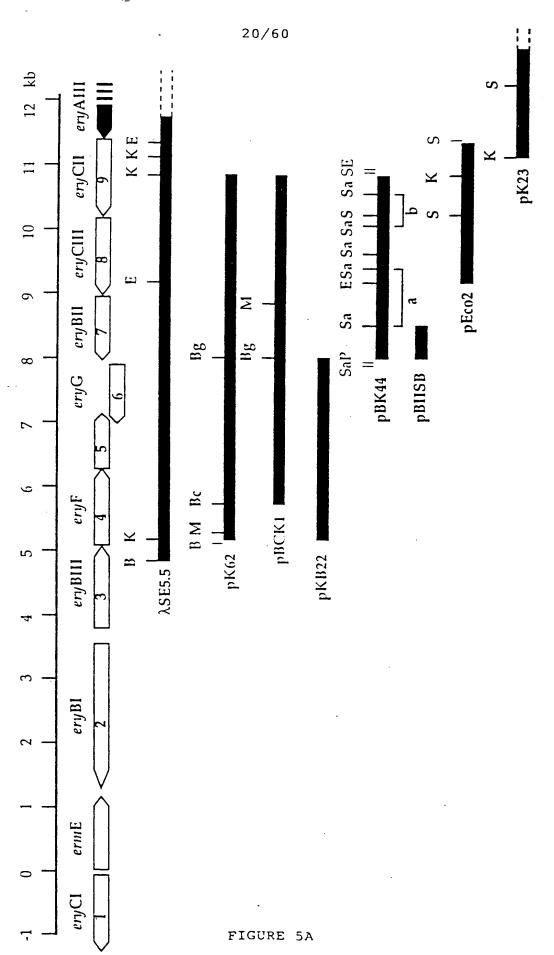
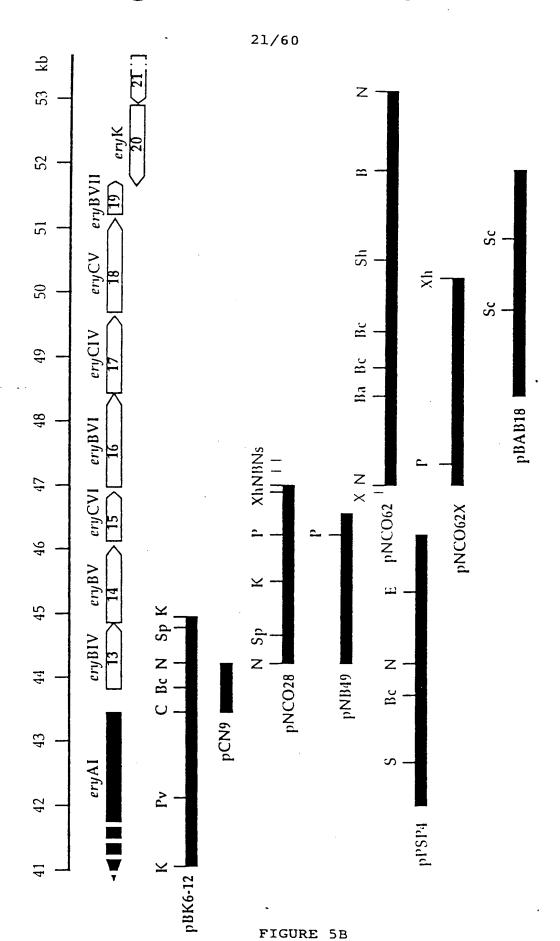
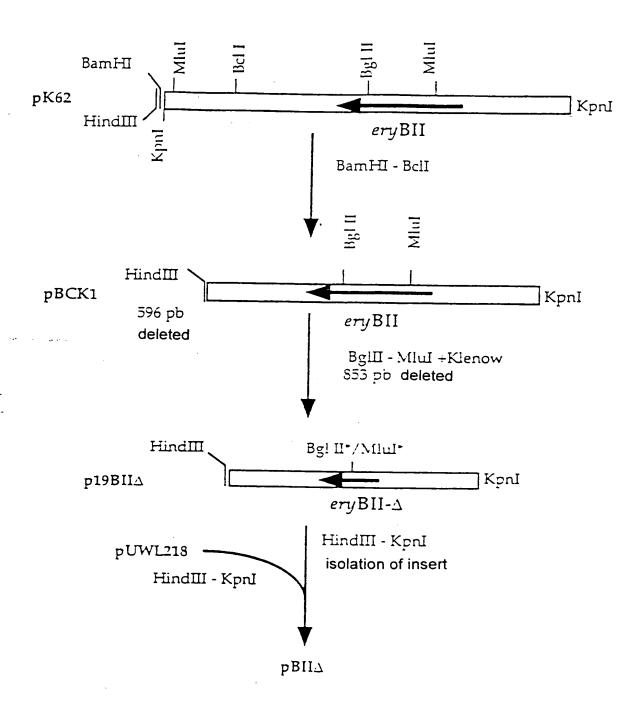


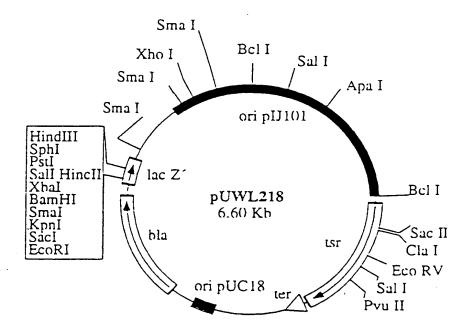
FIGURE 4

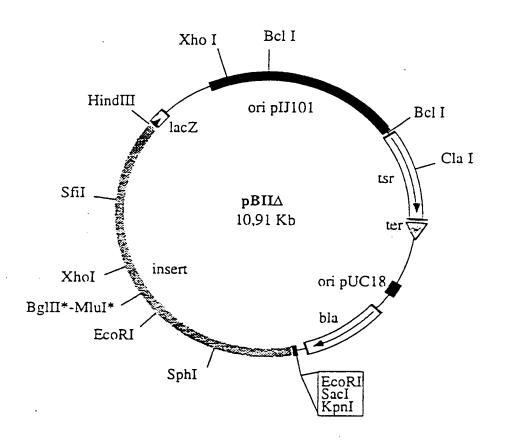


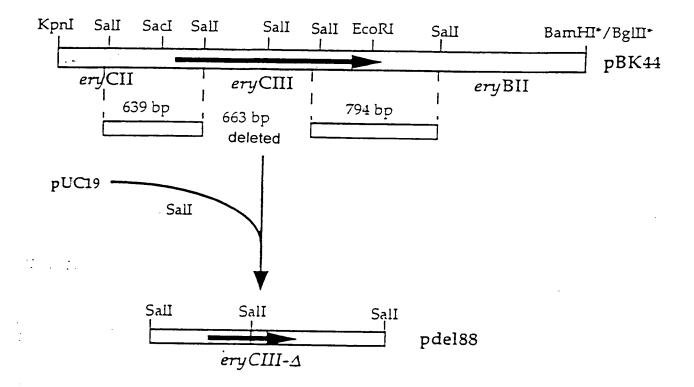


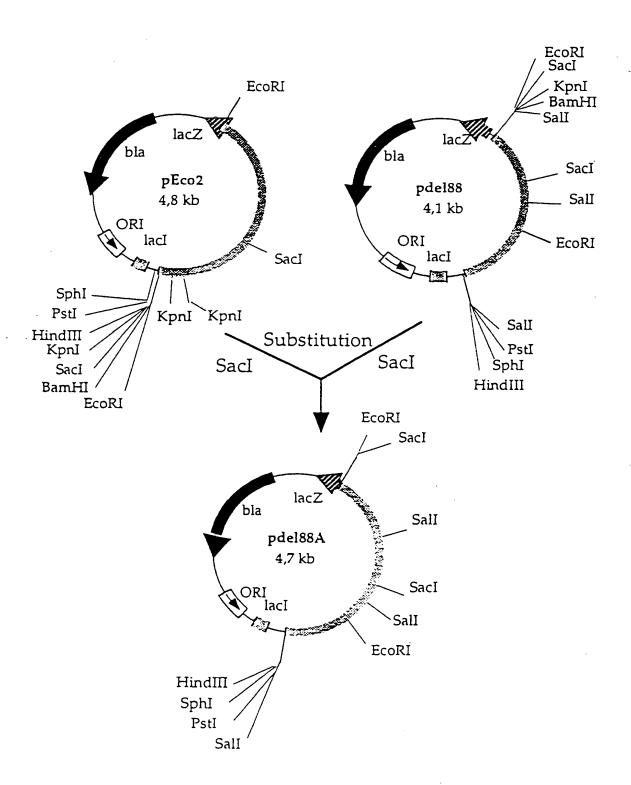












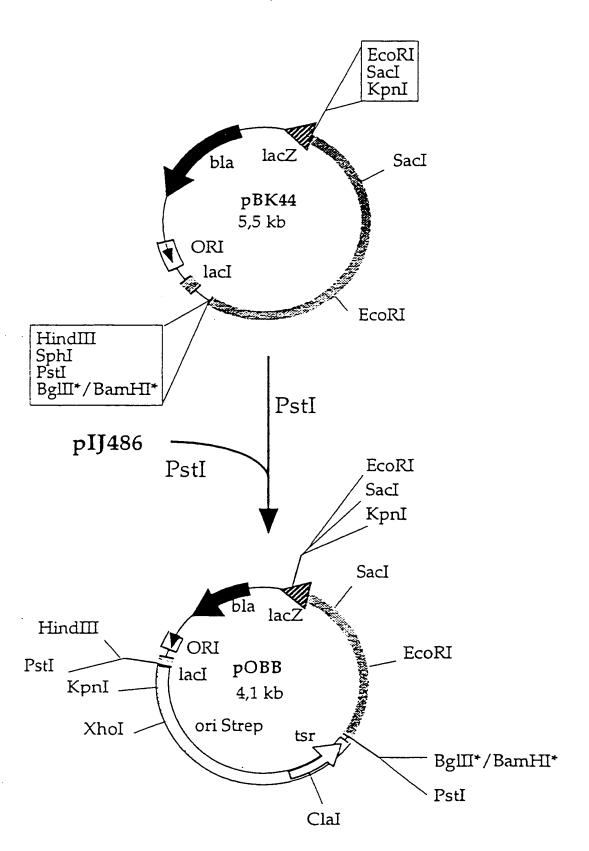
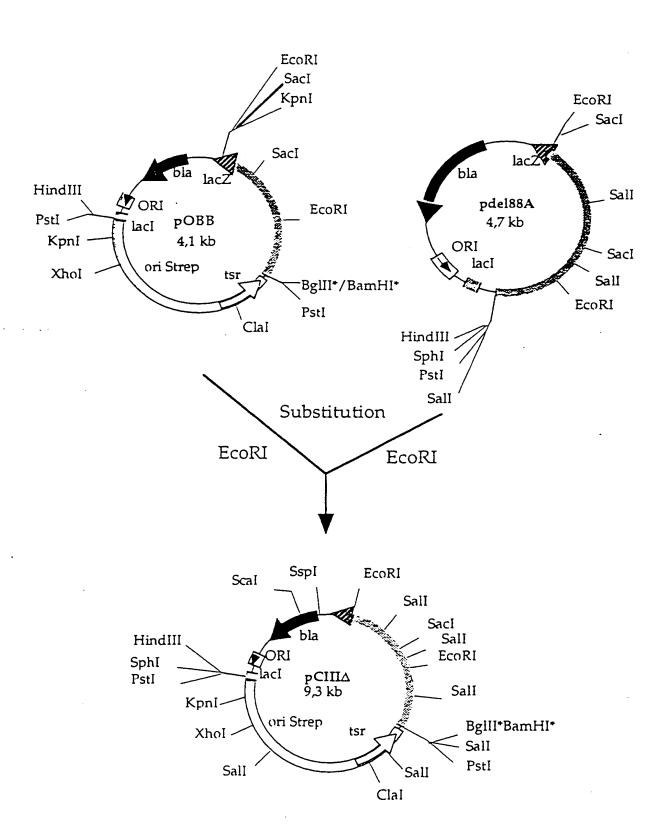
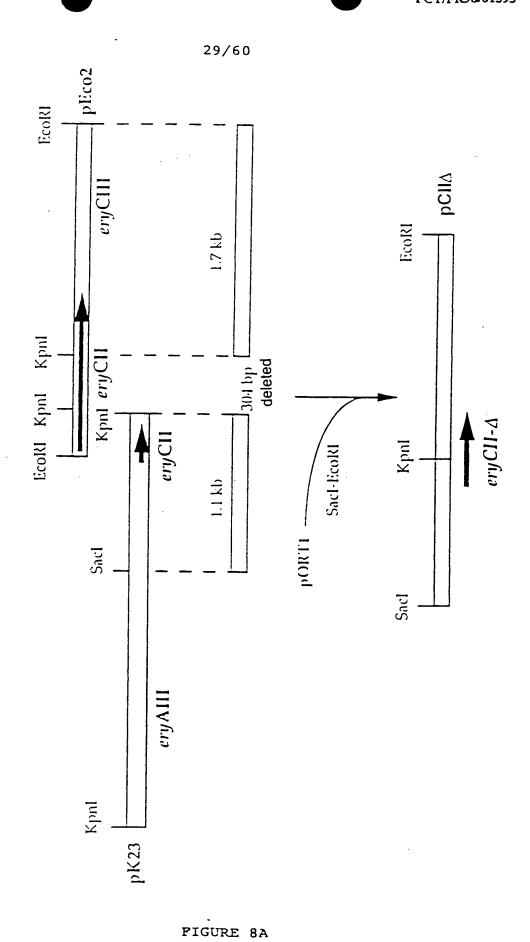
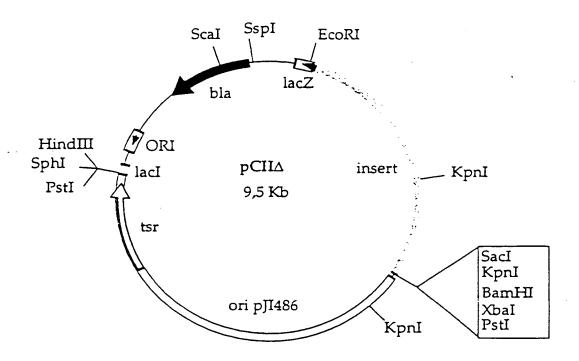


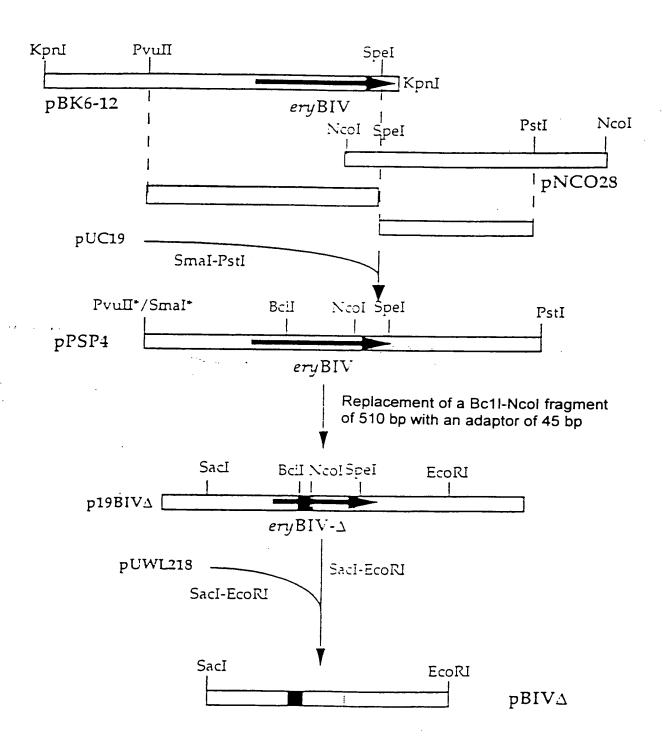
FIGURE 7C





ClaI





PCT/F

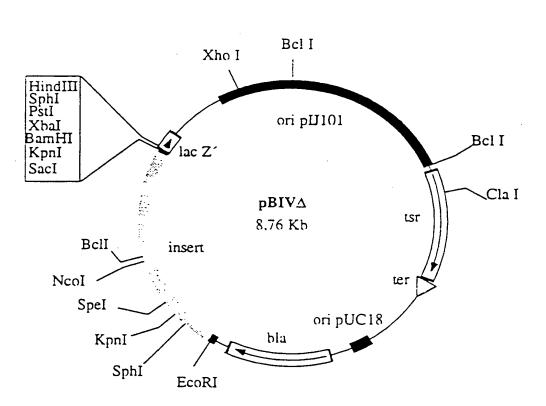
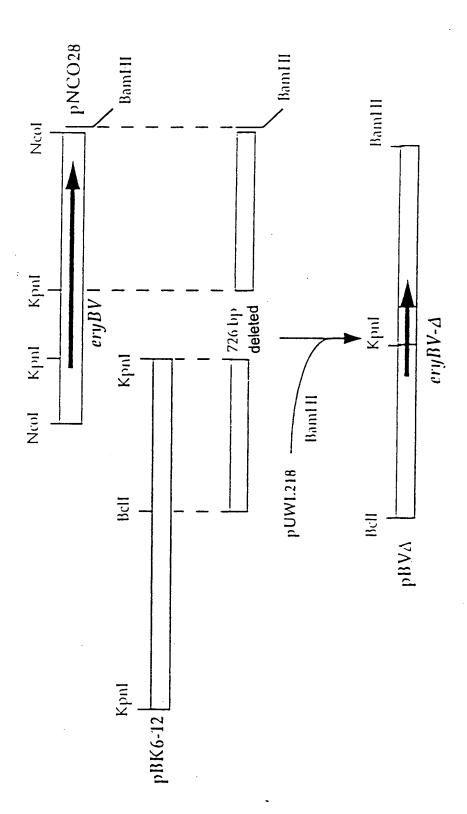
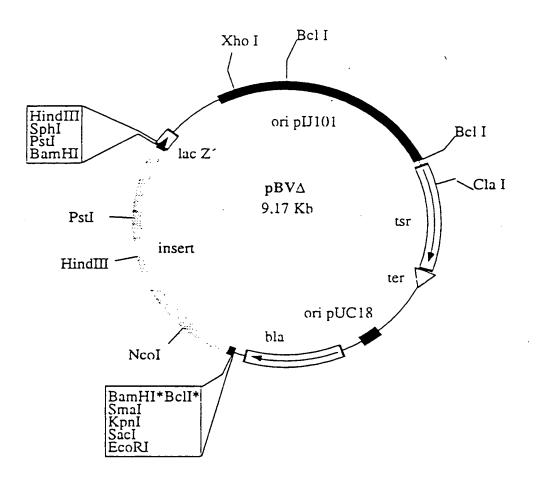
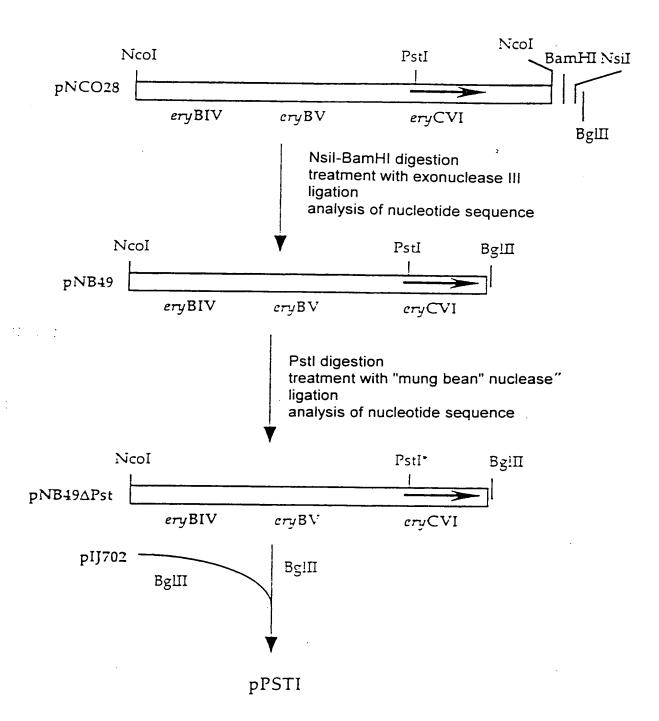
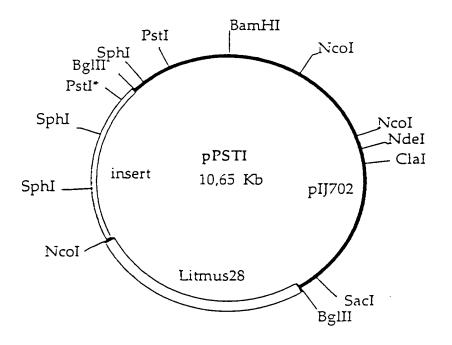


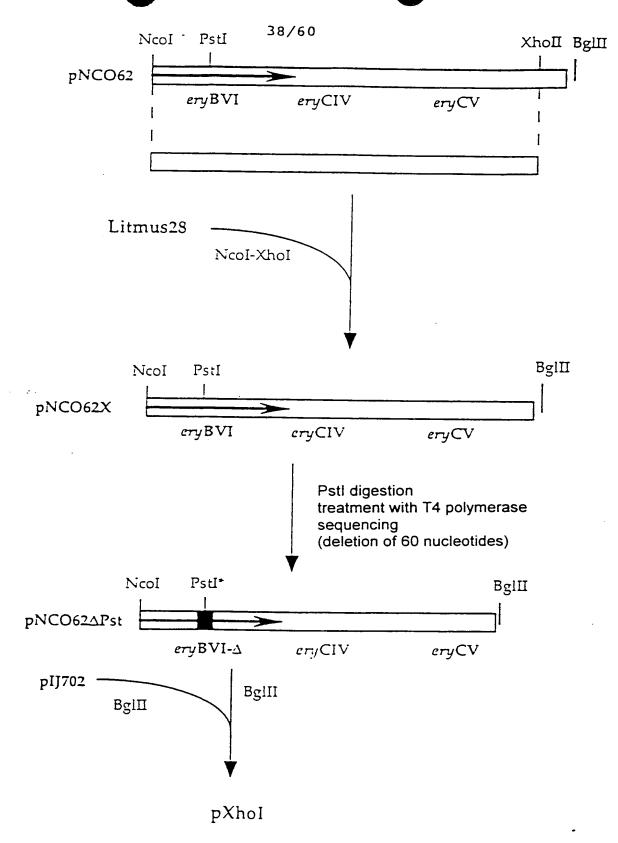
FIGURE 9B



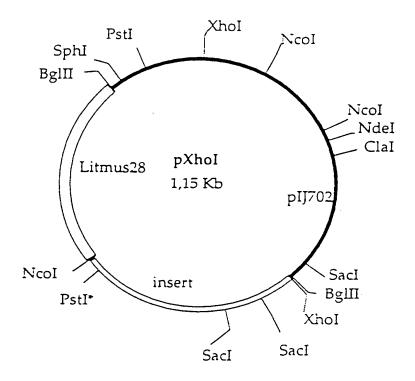


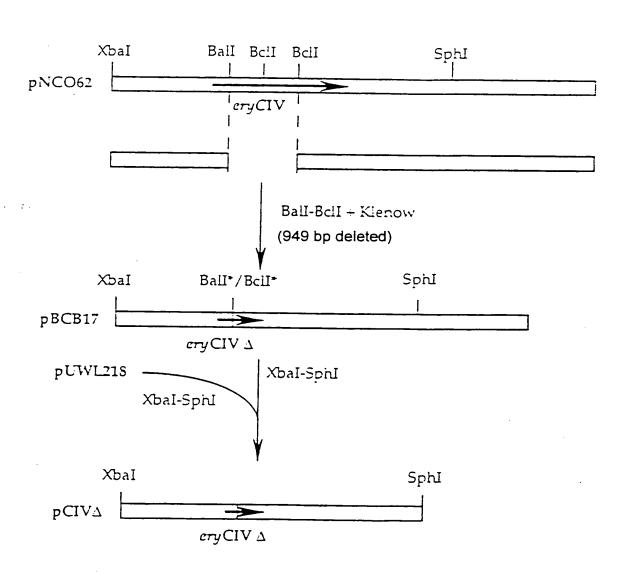






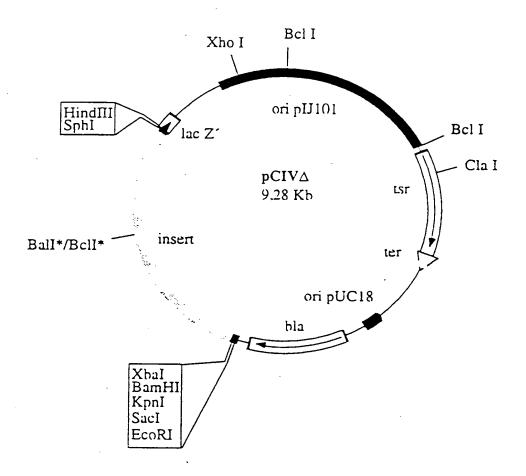
PCT/FR98/01593

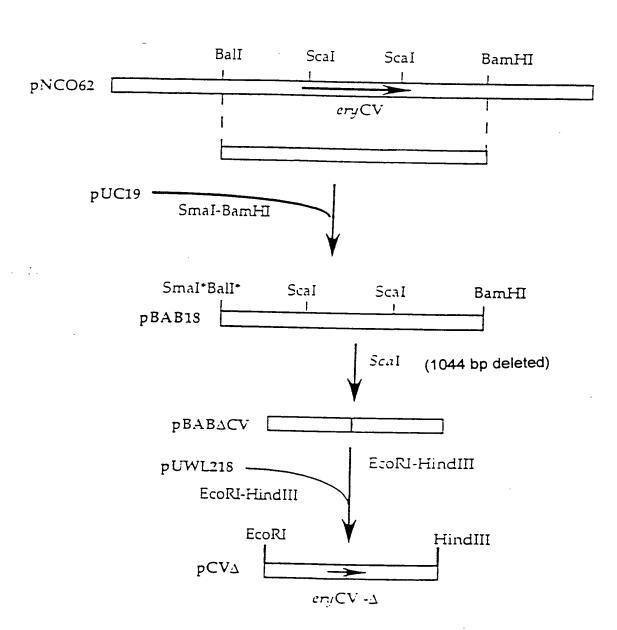


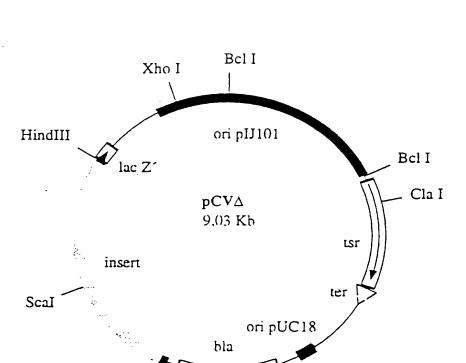


ngweller of the

PCT/FR98/01593







EcoRI

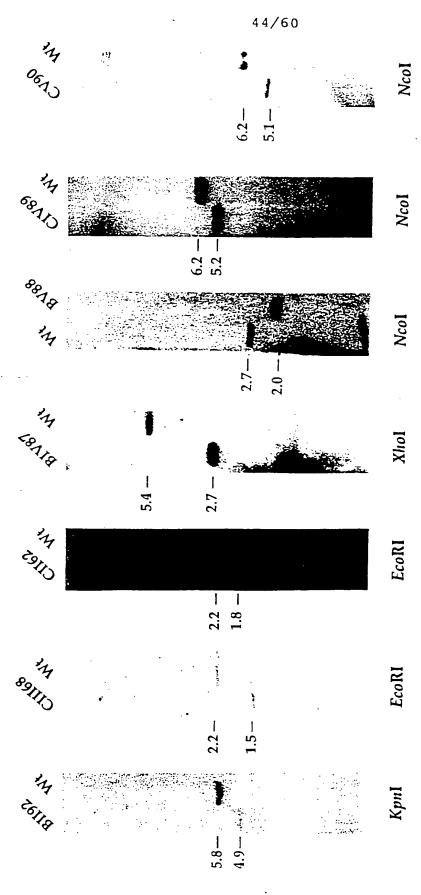


FIGURE 15

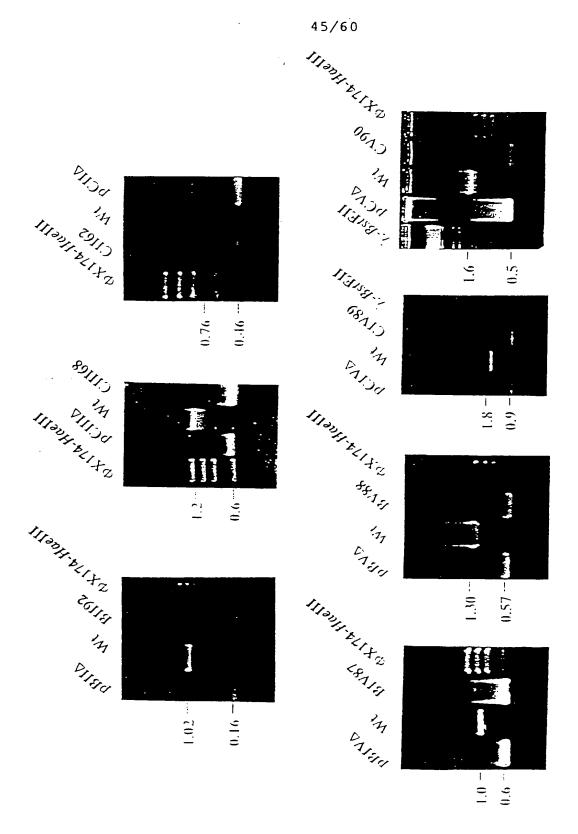
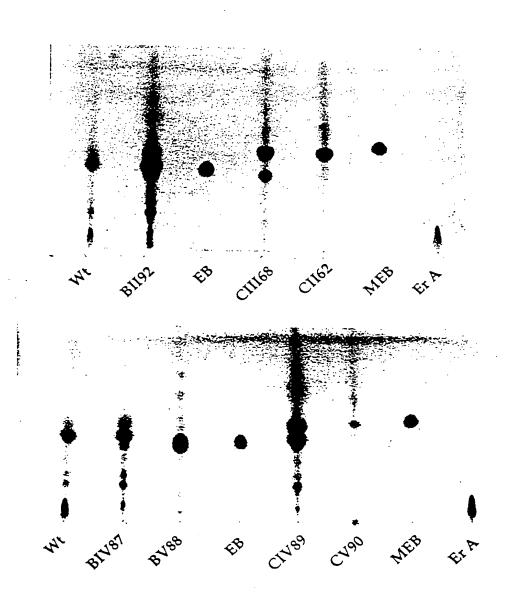
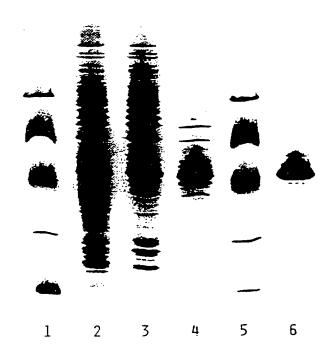
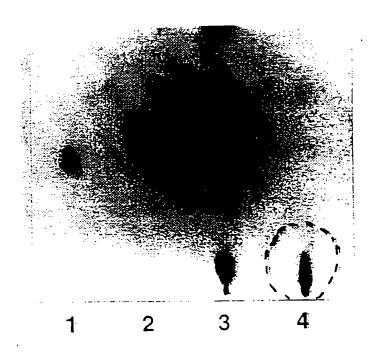


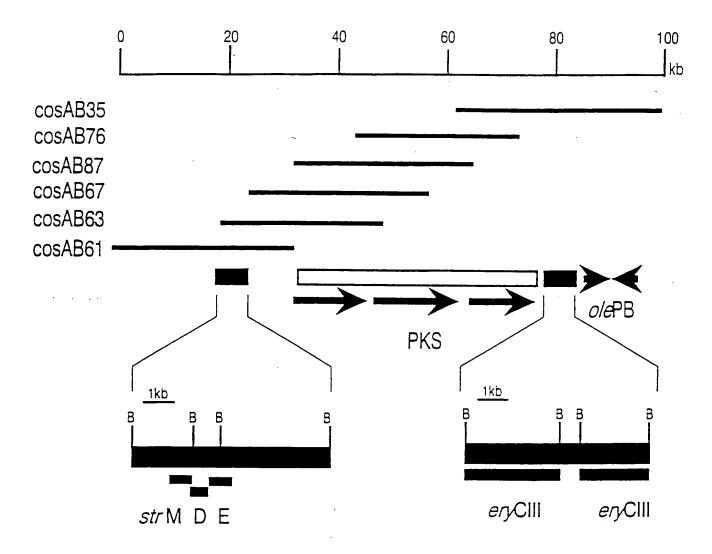
FIGURE 16







PCT/FR98/01593



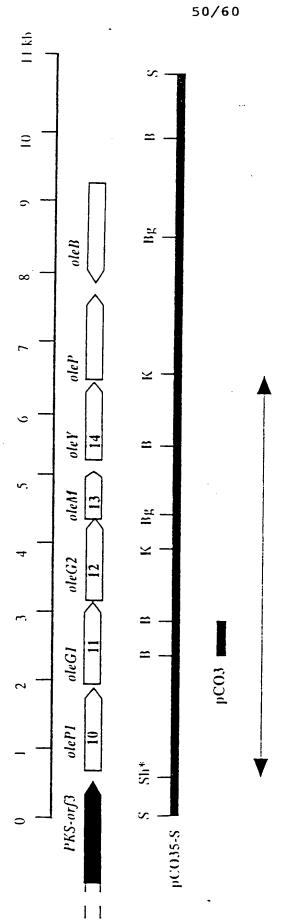


FIGURE 21





- CGGTGAAGGAGCGTGTTGCACTCATGCAGGACATGCAAGGCGTACAGCCCGAACCAGCCA GCATGCCCCGCTTTCCTCCCCCTCTCGGAACGCATCGACGACCCGGATCCCCTCAGGGAC
- 121 GTGTCGAACACGCGGCGGACGCAGCTCGAACAGAGCGAACGCGCACGGAAGCCGCCCAG
- GAGATGGAGGACAGCGAACTGGGGCGCCCCCCCTGCAGATGCTCCGCGGCATGCAGTGGGTC PstI G L E. M E OleP1
- 300 TTCGGCGCCAACGGCGATCCGTACGCCCGGCTGCTGTGGCATGGAGGATGACCCGTCA ы Σ ဗ ပ __ ~ < > Q, Ω G ೮
- 360 CCTTTCTACGACGCGATACGGACCCTGGGCGAGCTGCACCGGAGCAGGACCGGAGCCTGG S ~ _ 巨 ပ 7 < 301
- 420 GTCACCGCCGACCCCGGGCTCGGGGGCCGCATCCTCGCCGACCGGAAGGCTCGGTGCCCG × ~ Ω Ø J ~ Ö ပ _ G ۵, ۵ 361
- 480 GAAGGCTCGTGGCCGGTGCGGCCGAAGACCGACGGGCTGGAGCAGTACGTGCTGCCCGGG Ø Ŀ ტ **a** × < 2 > Д 3 S Ö 421
- 540 CACCAGGCGTTCCTGCGGCTGGAGGCGCGAGGCCGAGCTGCGGGAGGTCGCGGCG ~ æ ы K Œ Œ 2 មា J ~ J ø 481
- 009 CCGGTGCTGGGGGCCGCGGGGGTCGACGCGTGGCGCCCGCTGATCGACGAGGTCTGCGCG [i] Ω L ~ 3 < Ω > < < Ø ပ 541
- 099 GGGCTCGCGAAGGGGCTGCCGGACACGTTCGACCTGGTCGAGGAGTACGCGGGGCTGGTG < > ப Ŀ > J a Œ, Ţ а L ပ × K J 601
- 720 CCGGTCGAGGTGCTGGCGCGGATCTGGGGCGTCCCGGAGGAGGACCGCGCCCGGTTCGGG ~ <u>_</u> 661





CGTGACTGCCGGGCGCTCGCTCCCGCGCTGGACAGCCTCCTGTGTCCCCCAGCAGTTGGCG

ļ

K

 $\simeq$ 

CTGAGCAAGGACATGGCGTCCGCCCTGGAGGACCTGCGTCTCCTCTTCGACGGCCTCGAC

840

900 ы < S Ø Σ

GCGACGCCGCCTCGCCGGCCCCGCCGACGGTGACGGAACGGCCGTGGCCATGCTCACC GTTCTGCTCTGCACGGAGCCGGTGACCACGGCGATCGGGAACACCGTGCTCGGGCTCCTT ပ _ > ₽ z ပ g < ပ > Ы ტ ப = ပ ., 841 901

096 961

CCCGGGCAGTGGCCCTGCACCGGCCGGGTGGCTGCCGGGCAGGTTGCCGGGCAG

1080 GCGCTGCACCGGGCGGTGTCGTACCGTATCGCGACGCGGTTCGCCCGGGAGGACCTGGAG K ĹŢ., ~ × S > K ~ 1021

TTGGCGGGCTGCGAGGTCCAAGTCCGGTGACGAGGTGGTGGTCCTGGCCGGAGCGATCGGC ø ပ < ļ > > E **△** ပ S × > E. 1081

< Д ပ а а. < <u>a</u> Ч < K < S ۵,

CCGTCGGTCTTCGGCCCCTTCGAGAACGCGCTGGCCGAACCCCTCGTCCGGGCTP S V F G A A F E N A L A E P L V R A 1201

GTGACGGGAGCGGCCCTCCAGGCCCTCGCGGAGGGGCCCCCCCGGCTGACGGCGGCGGGA Д ပ ធា 4 u < α Ø 1261

CCCGTCGTACGACGGCGGCGTTCCCCTGTCGTCGGCGGGCTGCACCGGGCTCCGGTGGCC ပ G > 2 1321

•

Company of the Party of the Control of the Control

****





TGATGACCACCTTCGCGGCCAACACGCACTTCCAGCCGCTGGTTCCCCTGGCCTGGGCAC 1500 а > H **Q**4 ď ٠ =

TGCGGACAGCGGGCACGAGGTGCGTGAGCCAGCCTCGCTGAGCGACGTGGTGA 1560 1501

1620 CGCAGGCGGGCTCACCTCGGTCCCGGTGGGCACCGAGGCTCCGGTCGAGCAGTTCGCGG Œ A P V ы Ħ ပ > Д > ഗ H ဗ K 1561

CGACCTGGGGCGACGATGCCTACATCGGCGTCAACGACGACGACGACCAACGACC 1621

CCGGCCTGTGGACGTGCCGTACCTCGTGGAGACCATGCTGGTGCCGGCCTTCT G L W T W P Y L L G M E T M L V P A F Y 1681

ACGAGTTGCTGAACAACGAGTCCTTCGTGGACGGCGTAGTCGAGTTCGCCCGTGACTGGC 1800 3 Ø ы > > G Ω > ഥ S E z z J 1741

1860 < < > Z C < [I. = D d <u>.</u> 3 > L, 1801

CCGGCGCGCCCACGCCCGGCTGCCGTGGGGCAGGAGATCACCCTGCGCGGGGGGGCAGG 1920 -Ŀ œ ပ 3 а  $\simeq$ 4 = < 1861

CGTTCCTCGCCGAGCGTGCCCTGCAACCGTTCGAGCACCGGGAGGATCCCACGGCCGAGT BamHI Ŀ × ы ŏ < × 1921

GGCTGGGCCGCATGCTCGACCGGTACGGCTGCTCGTTCGACGAGGAGATGGTCACCGGGC 2040 G, S ပ ပ > Ω J Σ 1981





2100 2041 AGTGGACCATCGACACGCTGCCGCGCAGCATGCGGCTGGAGCTGCGAGGAGCTGCGCA ш Д L 

2160 CCCTGGACATGCGGTACGGTACAACGGACCGGCGGTCGTACCCCCCTGGGTGTGGG 2101

2220 AACCGTGCGAGCGGCCCCGGGTCTGTCTGACGATCGGCACCTCCCAGCGTGACTCCGGCC 2161

S Ω ~ ď ഗ E ŋ H L ပ > ~ Ы ~ E)

GGGACCATGTCCCCCTCGACCTCGACTCCCTCGCCGACGTGGACGCGGAGATCG 2221

2340 TGGCCACGCTCGACCACCAGCAGCGCCTGCGGGGCGCGCCCCCGGCAACGTCC 2281

2400 GGCTGGTGGACTTCGTCCCGCTGCACGCCTGATGCCGACCTGCTCGGCGATCGTGCACC S ပ E Σ K Ξ ı Д > Œ, 2341

2460 ACGGTGGTCCGGGCACGTCGACGGCGCGCTCCACGGCGTCCCGCAGATCATCCTGG < < E လ 3 ۲ ပ ۵, ပ 2401

2520 ACACCTCGTGGGACACCGGTGCGGGCGGCCGGCCTGT
T S W D T P V R A Q R M Q Q L G A G L S ŏ ۵, > ပ Ξ L 2461

2580 CGATGCCGGTGGGGGAACTGGGCGTCGAGGCGCTGCGGGACCGGGTCCTGCGGCTGCTGG ~ ,_ > 2 Ω 2 ___ × ပ 2521

GGGAGCCGGAGTTCCGCGCGGCGCCGAGCGGATCCGGGCCGAGATGCTCGCGATGCCCCG Bamili

2700 CCCCCGGTGACGTCGTACCGGACCTGGAACGACTCACCGCGGGGGAGCATGCCACCGGCGCGA K E ~ Ω ۵ > 2641

_

Σ

E

Ø

~

~

ഥ

<

G

4

~

ſ.

ப

Ŀ



- TGGCGGGAAGGCGGTGAGACGATGCGCGTACTGCTGACCTGCTTCGCCAACGACACCAC M R OleG2 2701
- 2820 ы ပ K × L 2761
- GCCAGTCAGCCCGCCCTGTCCGACACGATCACCCAAGCGGGACTGACCGCGGTGCCCGTG 2821
  - GGCCGGGACACCCCCTTCCTGGAGCTGATGGGGGAGATCGGCGGGGGGACGTCCAGAAGTAC Ø ۲ , ပ K ø ۲ ۵ S __ Ø م S 2881
    - 2940 Ø G ĒΊ ပ Ŀ J ſ±, E
- 3000 TCCACCGGCATCGACCTGGGCGTCCGCGGGAGCTGACGAGCTGGGAGTACCTGCTCGGC Ŀ S .7 H ~ G J Ω 2941
  - 3060 ATGCACACGACCTGGTGCCCACGTTCTACTCGCTGGTCAACGACGAGGCGGTTCGTCGAC Ω z > J ഗ >-Ŀ Ę d J 3001
- GGGCTCGTCGCGCTGACCCGGGCCTGGGGCCCGACCTCATCCTGTGGGAGCACTTCAGC 3 Ţ H ר Ω <u>م</u> ~ 3 < ~ J < J 3061
- 3180 TTCGCCGGGGCGTTGGCGGCGCGGGCCACGCCCCCACGCCCGCGTGCTGGGGG < ပ < 3121
- TCGGACCTCATCGTCCGCTCCGCGGACCGGCGAGCGGCCGAACCGGCCCGCC ы < J ſ. ~ 3181
- 3300 Œ < Ø 3 ပ ., 3 ल K Σ
- 3360 ACCTTCGACGAGGAGCTGGTGACCGGCAGTGGACGATCGACCCGCTGCCGCGGGAGCATG H 3 ø G 3301





3361

3480 GTGGTCCCCGCATGGGTCCGGCAGCGTGCGCGGCGGCCCCGGATCTGCCTGACGCTCGGT П ပ × ۵ ~ 2 < ~ ď ĸ 3 < 3421

3481

GTGTCGGCCCGGCAGACCCTGGGCGACGCGTGTCGCTGGCGGAGGTGCTGGCCGCGTG ĿЛ K J Ġ > Ö a ပ J ₽ ŏ × < S

3600 GGCGACGTGGACGCGGAGATCGTGGCCACGCTGGACGCCTCCCAGCGCAAGCTCCTGGGG × × ø S K Q J E < > E) < ۵ > 3541

3660 CCGGTGCCGGACAACGTCCGGCTGGTGGACTTCGTGCCCCTGCACGCCCTGATGCCGACC Σ ר < J Д > ſz, Ω > J ~ > Ω D. 3601

TGTTCGGCGATCGTGCACCACGGCGGCGGCGGTACCTGGCTGACGGCCGCCGTCCACGGC K ⋖ ... 3 KpnI ဗ ပ ပ = = 3661

3780 GTCCCGCAGATCGTCCTCGGTGACCTCTGGGACAACCTGCTGCGCGCCCGGCAGACACAG

3840 ď ~ K ~ J z 3 ပ L > ď 3781

3841

GAGATGAATGCAGAGCCGACGCCGGCGAGGTCGTCACGGTGCTGGAGCGGCTCGCCGCG  $\simeq$ 4 < K ~ S م. a _ ~ 2 3901

П

>

>

CCTCCTGGACGTGGCCTGCGGCACGCGCACCTTCGCCACGCTCTTCGACTTCGACGCTCTTCGACTTCGACGCTCTTCGACTTCGACGCTCTTCGACTTCGACGCTCTTCGACTTCGACGCTCTTCGACTTCGACGCTCTTCGACTTCGACGCTCTTCGACTTCGACGCTCTTCGACTTCGACGCTCTTCGACTTCGACGCTCTTCGACTTCGACGCTCTTCGACTTCGACTTCGACGCTCTTCGACTTCGACTTCGACGCTCTTCGACTTCGACGCTCGACGCTCTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCGACTTCACTTCGACTTCGACTTCGACTTCGACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACT

[I.

I

×

J

K

ပ

ပ

ပ

CGACGCCCGCGGTCTCGAACTGTCCGCGAGCATGCTGGACATCGCCCGCTCCCGCATGCC

GGGCGTGCCGCTGCACCAAGGGGACATGCGATCCTTCGACCTGGGGCCACGCGTCTCCGC

GGTCACCTGCATGTTCAGCTCCGTCGCCACCACCGCCGAACTCGACGCGAC

GCTGCGGTGCTTCGCCCGGCACACCCGGCCGGCGGCGTGGCCGTCATCGAACCGTGGTG

ပ

ပ

а,

2

=

2

<

4381

GTTCCCGGAGACCTTCACCGACGGCTACGTGGCGGGTGACATCGTACGCGTCGACGGCCG

4260

Σ

<

Ω

J

Σ

S

<

S

ı

ĿΙ

ဗ

4201



4380

S

~

م

ပ

Ω

[2,

S

~

Σ

Ω

ပ

ø

Ξ



4500

>

~

Ω

ပ

<

>

>

ပ

۵

ŗ,

4441

3961 AGCGGCGGACGCGACGAGGCGGGAACCATGCGGGCTGACACGGAGCCGACCACCGG 4020 G Σ

GTACGAGGACGAGTTCGCCGAGATCTACGACGCCGTGTACCGGGGCCGGGGCAAGGACTA > K

ტ 2 > > < Ω ы

CGCCGGCGAGGCGACGTGGCGGACCTCGTGCGCGACCGGGTGCCGGACGCGTCCTC

2

۵

~

>

J

Q

⋖

>

Ω

ы

4081

GACCATCTCCCGGGTGTCCCACTCGGTACGGGACGGCGCCGCCACCCGCATGGAGATCCA Ω Ö G × S = S ×

4261

4321





5100 5160 GGCTTCGGCGTCTCCTTCCTGCCCGACCTGCGCGCCCGCGGACCATGGAGGGCGCGCCC GGCAAGCCGGTCACGTCGGCGGCGGCCGGCCAGGAACTGGGCGGCCGTACCTGGAGT TCACGCTCAGCGACCCTCCTGCGGGAGCTGTTCGGCCCGCCGTCCGGCCGCACCGCGGGG Ø ~ ပ ე ტ > လ Œ а ø ပ ပ ပ ~ <u>:</u> < J ۵ < ы ω ပ ~ < Ξ u S 1 E < S ĸ

5101

5161

ATCGGCCTGGACGTCCTGCACGGCGCCGACCGGATCAGCCATGTGCTGCAGGTGACGGAC PstI ပ ပ ط ш ပ [] ы 4981

4980 GCGCTCGTGGACGAGTTGCTGTTCCGCTGCGAGATCCCGCAGGTGGGCGGTGAGGCGTTC

4920 GGTGACGAGCGCTTCCTGCTGAACACCGTCGAGGAATGGGGAGCCGCCGAGATCACCGCG ы K ပ 3 ធា 臼 > 4861

4860 ACCTTTCACATGTCGTACGACGACGCGGTGCTGGAAGCGATACTGCGGTGCGCCGGA 4801

4741 GCGCACCGCCCGATCACCCTGCTCAACGCCGTTCACACGGATCACCGGACCACGCGAAGG 4800

CCTCGACGGCGCCCTCGGGCCGGGGGCTGTTCGTCGCCCCGGACGTGAACCCGCCC ĸ ပ > J ပ × ပ G 4681

4680 GCTGTTCCCGCGCCATGCGTACACGCCGCGTACGAGAAGGCGGGCTACACCGTCGAGTA ဗ × < ~ 4621

4620 CTACGTGATCGCCGACGCCGACGGTCCCCGGCACCTGGTCGAGCACCACCGCATCAC ပ 4561

CACTACGACCGGCACCTGCGGGCCGTGCGACCAGGCGGTGCGGATCCTGGAGATCGGC

BamHI

×

K

α

Ω

ĸ

>

×

u

×

5341

ATCGGCGCCTACGACGACCTGCTGCCGAGCGGCGCCTCACTGAAGATGTGGAAGCGCTAC

Σ

×

7

S

<

ပ

S

4

L

L

Ω

۵

5401

TTCCCGCGCGCGTGGTCTTCGGCGTGGACATCTTCGACAGTCGGCGTGCGACCAGCCGC

5460

5520

<

~

×

S

Ω

Œ,

۵

>

ဗ

بتا

>

_

ပ

5461

5580

GTGTCAAGACGCTCCGCGGCCGGCAGGACGACCGGGAGTTCATGCGCCGCGTCGCCGAG

S

5521

5581

5280

GACCGGCTGGCCTACGAGTCCGACAAGTGGGGCGGCGTCCACTGGTTCACCGGC

ပ

ტ

3

×

Ω

S

Œ

>

×

¥

5281

CTGGCCGCCCCCCCCACCAGGTGCTGCACGCGACGACCAACGAGACGCCCCCACTG

z

~

5221

Œ

D

59/60

5640 5700 5760 GAGCACGGCCGTTCGACGTCATCGACGCCACACCACATCCGG E H G P F D V I I D D G S H I N A H M R ACGTCGTTCTCGGTGATGTTCCCCCACCTGCGCAACGGCGGCGTTCTACGTCATCGAGGAC ACCTTCACCTCCTACTGGCCCGGGTACGGAGGGCCATCCGGAGCCCGGTGCCCGTCCGGA ACAACCGCGCTGGAGATGGTCAAGGGACTGATCGACTCGGTGCACTACGAGGAGCGGCCG ~ ပ ш ~ ~ > Σ V Œ, ပ ſ. Ç > ഥ ဗ ഗ S ۵, z ď Ω ~ ပ a __ ပ ø = > ŋ ~ ပ × < Д ہتا K 3 Σ Σ တ > S 2

5641

5761

PCT/FR98/01593

.

60/60



CCCCGGGAGCCGTTCTGGAACGACAACTAGCCACGGCCGCAACCAGAGCCGGAAACCGCA 6000 z Ω z 3 Д R E 5941

Д

G

ပ

~

6001 CCACTGTCCGCGCCACCTCGGAACCACCTCCAGCAAAGGACACACCGCTGTGACCGATAC 6060

6061 GCACACCGGACCGACACCGGCCGACGCGGTACC 6093 KpnI